

TEL: (603) 424-2022 FAX: (603) 429-8496 111 Herrick Street, Merrimack, NH 03054

July 19, 2001

Tim Dame

GEI Consultants, Inc.

1021 Main Street

Winchester, MA 01890

(781) 721-4000

FAX: (781) 721-4073

RE:

MDC-Canton 00291

Order No.: 0106096

Dear Tim Dame:

the following report. AMRO Environmental Laboratories Corp. received 21 samples on 6/8/01 for the analyses presented in

quality control deviations that were encountered during the analyses associated with this project. appropriate state and/or NELAC Certificate is attached. Please see the enclosed Case Narrative for AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the

you require further analysis, or need the samples held for a longer period, please contact us immediately. days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be

have any questions regarding this project in the future, please refer to the Order Number above This report consists of a total of 90 pages. This letter is an integral part of your data report. If you

Sincerely,

Nancy Stewart

Vice President / Lab Director

Date: 05-Jul-01

Work Order Sample Summary

CLIENT: GEI Consultants, Inc.

Project: MDC-Canton 00291

Lab Order: 0106096

Date Received: 6/8/01

| 00291-SS53 | 0106096-21A 0106096-21B |
|------------------|----------------------------|
| 00291-SS52 | 0106096-20B 0106096-21A |
| 00291-SS52 | 0106096-20A |
| 00291-SS51 | 0106096-19B |
| 00291-SS51 | 0106096-19A |
| 00291-SS50 | 0106096-18B |
| 00291-SS50 | 0106096-18A |
| 00291-SS49 | 0106096-17B |
| 00291-SS49 | 0106096-17A |
| 00291-SS42 | 0106096-16B |
| 00291-SS42 | 0106096-16A |
| 00291-SW2 | 0106096-15A |
| 00291-SS48 | 0106096-14A |
| 00291-SS47 | 0106096-13A |
| 00291-SS46 | 0106096-12A |
| 00291-SS45 | 0106096-11A |
| 00291-SS44 | 0106096-10A |
| 00291-SS43 | 0106096-09A |
| 00291-SS41 | 0106096-08A |
| 00291-SS40 | 0106096-07A |
| 00291-SS39 | 0106096-06A |
| 00291-SS38 | 0106096-05A |
| 00291-SS37 | 0106096-04A |
| 00291-SS36 | 0106096-03A |
| 00291-SS35 | 0106096-02A |
| 00291-SS34 | 0106096-01A |
| Client Sample ID | Lab Sample ID |

Lab Order:

0106096

Client:

GEI Consultants, Inc.

Project:

MDC-Canton 00291

DATES REPORT

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | TCLP Date | Prep Date | Analysis Date |
|--------------|------------------|------------------------|--------|---------------------|-----------|-----------|---------------|
| 0106096-01A | 00291-SS34 | 6/7/01 | Soil | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-02A | 00291-SS35 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-03A | 00291-SS36 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-04A | 00291-SS37 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-05A | 00291-SS38 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-06A | 00291-SS39 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-07A | 00291-SS40 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-08A | 00291-SS41 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-09A | 00291-SS43 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-10A | 00291-SS44 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-11A | 00291-SS45 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-12A | 00291-SS46 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-13A | 00291-SS47 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| .0106096-14A | 00291-SS48 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| Š | | | | Percent Moisture | | | 6/13/01 |
| | | | | | | | |

Lab Order:

0106096

Client:

GEI Consultants, Inc.

Project:

MDC-Canton 00291

DATES REPORT

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | TCLP Date | Prep Date | Analysis Date |
|-------------|------------------|-----------------|---------|------------------------------------|-----------|-----------|---------------|
| 0106096-15A | 00291-SW2 | 6/7/01 | Aqueous | PCBS IN WATER | · | 6/13/01 | 6/14/01 |
| 0106096-16A | 00291-SS42 | | Soil | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-16B | | | | EPH, Soil, Carbon Ranges Only | | 6/14/01 | 6/20/01 |
| | | | | SEMIVOLATILE ORGANICS, Soil/Solids | | 6/19/01 | 6/20/01 |
| 0106096-17A | 00291-SS49 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-17B | | | | EPH, Soil, Carbon Ranges Only | | 6/14/01 | 6/21/01 |
| | | | | SEMIVOLATILE ORGANICS, Soil/Solids | | 6/19/01 | 6/20/01 |
| 0106096-18A | 00291-SS50 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-18B | | | | EPH, Soil, Carbon Ranges Only | | 6/14/01 | 6/21/01 |
| | | | | SEMIVOLATILE ORGANICS, Soil/Solids | | 6/19/01 | 6/20/01 |
| 0106096-19A | 00291-SS51 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-19B | | | | EPH, Soil, Carbon Ranges Only | | 6/14/01 | 6/21/01 |
| | | | | SEMIVOLATILE ORGANICS, Soil/Solids | | 6/19/01 | 6/20/01 |
| 0106096-20A | 00291-SS52 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-20B | | | | EPH, Soil, Carbon Ranges Only | | 6/14/01 | 6/21/01 |
| | | | | SEMIVOLATILE ORGANICS, Soil/Solids | | 6/19/01 | 6/20/01 |
| 0106096-21A | 00291-SS53 | | | PCBS IN SOIL/SOLIDS | | 6/21/01 | 7/3/01 |
| | | | | Percent Moisture | | | 6/13/01 |
| 0106096-21B | | | | EPH, Soil, Carbon Ranges Only | | 6/14/01 | 6/21/01 |
| | | | | SEMIVOLATILE ORGANICS, Soil/Solids | | 6/19/01 | 6/20/01 |
| | | | | | | | |

| 80-S | 2 | . / / | -120 | (lubot/6/8/0) | Relinquished by: | | ı | Date/Time: | | Received for Laboratory by: |
|-----------------|--------------|-----------------|-------------|-----------------------------------|----------------------|--|-------------|-------------|-------------|-----------------------------|
| clance Fe | ncus | Date/Time: | | Received by: Sample Afridge | Relinguished by | 1 | ľ | Date/Time: | 120 | Received by: |
| quished by: | | | <u>-</u> | 48 lv | | 72 lv | | X | Normal | |
| TAT: | V | L | 24 Iv | 00291-5543 | / | × | | | | |
| | | 1220 | | | ~ | × | × | X | | |
| | | 1130 | | 00291-5542 | 2 | - | | | | |
| | | 1100 | | 00291-5541 | ', | × | | | | |
| | | 1050 | | 00291-5540 | / | × | | | | |
| | | 1030 | | 00291-5539 | , | X | | | | - |
| | | 0955 | | 00291-5538 | / | X | | - | | |
| | | 0930 | | 00291-5537 | 1 | × | | | | |
| | | 0910 | | 00291-5536 | 1 | Х | | | | 1 |
| | - | 0845 | | 00291-8535 | / | X | | | | |
| · | 6/7/0 | | soi/ | 00291-5534 | 1 | X | | | | 1600 Dangte |
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| ampiers: AB | drew | Stone | | | t | | 1_ | Analysis | | |
| MDC - C | antor | 00 | 291 | | | - | | Preservativ | • | |
| Project Name or | | | | | | 7 | <u> </u> | Demo | | RO# 0106096 |
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| Project Name on | assachuseus | 74/1/ | IRD | | | OCUMEN 2 c | | EN | An | Chain-of-Custody Rec 1RO # 0106 096 |
|--|--------------|-----------------------|--------|------------------|-----------------|---------------|---------------------|---------------------------|--------|--|
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| MDC- Samplers: Ar | danta | on C | 00291 | | | | / | | • | |
| Me | lanie | Pincus | 2 | | | | | Analysis | | |
| Station No. | Date | Time (houts) | Matrix | Sample Number | No. of | PCB's | SVOC's | EP#13 | | |
| | 6/7/0 | 1 1240 | soil | | Containers | <u>Z</u> | 15 | E | | Remarks |
| | 1 701 | 1 | 3011 | 00291-5544 | 1 | × | | | | BIOS SARGO |
| | | 1320 | | 00291-5545 | 1 | X | | | | 1 |
| | | 1340 | | 00291-5546 | 1 | × | | + | | |
| | | 1400 | | 00291-5547 | 1 | X | | 1 | | |
| | | 1430 | | 00291-5548 | / | X | | - | | 7 |
| | | 1450 | | 00291-5549 | 2 | × | X | X | | |
| | | 1515 | | 00291-5550 | 2 | × | | $\frac{1}{x}$ | | |
| | | 1530 | | 00291-5551 | 2 | × | X | $\frac{\lambda}{\lambda}$ | | |
| | | 1620 | | 00291-5552 | 2 | × | $\frac{\lambda}{x}$ | $\frac{}{x}$ | _ | |
| | V | 1650 | | 00291-5553 | 2 | × | × | X | | -6 |
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| requisited by: Lebenie fermie | ences | Date/Time: (e/7 183 | 30 | fridge | Relinquished by | | | Date/Time: | Normal | Received by: |
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| GEI Cons Winchester, M | assachusetts | · AM | RO ==== | | | 3 of | | A | Chain-of-Custody Recommendation of Clustody Recommendation of Custody |
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| Samplers: And | drew | Ston | <u> </u> | 71 | · k | / | | | |
| Me | lanie | Pincu | <u>-</u> | | | | Ar | alysis | |
| Station No. | Date | Time (hours) | Matrix | Sample Number | No. of | CBS | | | Remarks |
| | 6/7/01 | 1535 | water | 00291-SWZ | Containers | X | | | |
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| relance Per | nces (| | 30 3 | sample tridge | Relinquished by: | | Date/ | | Received by: |
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| redict Shipment: | | - | n | emarks: | | | | I | |

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054

| Client: (SEI | AMRO ID: | | 0/06 | 046000 122 |
|--|------------------------|-------------|------------|-------------|
| Ship via: (circle one) Fed Ex., UPS, (MRO Courier,) | Date Due: | :* : | 6-2 | 0-01 |
| ourier. Other: | | | | |
| Items to be Checked Upon Receipt | Yes | 20 | AN A | A Comments |
| | | |) | |
| | | |) | |
| • | | | 1 | |
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| • | 1 | | - | |
| Is COC signed and dated by dient? | 1 | | - | |
| perature. | | | + | |
| | | | - | |
| is client temperature 4°C ± 2°C? | | | | |
| If no obtain authorization from the client for the analyses. | | | _ | |
| | | | | |
| 9. Is the COC filled out correctly and completely? | ١ | | | |
| 10. Does the info on the COC match the samples? | \ | | | |
| 11. Were samples rec. within holding time? | // | | | |
| 13. Were all samples properly labeled? | 1 | | | |
| 14. Were proper sample containers used? | \ | | | |
| 15. Were all samples received intact? (none broken or leaking) | \ | | <u> </u> | |
| 16. Were VOA vials rec. with no air bubbles? | <u>\</u> | | 1 | |
| | | | | |
| 19. VPH and VOA Soils only: | | | 7 | |
| Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container) | ontainer) E=EnCore. |)re. 8=8uik | | |
| | | | | |
| Does preservative cover the soil? | | | | |
| Does presentation level come close to the fill line on the visit? | | | | |
| If NO then client must be faxed. | | | | |
| Were vials provided by AMRO? | | | | |
| If NO then weights MUST be obtained from | o from c | client | | |
| If NO then fax client and inform the | VOA lab ASAP | ASAP. | | |
| 20. Subcontracted Samples: | | | 1 | |
| What samples sent: | | | | |
| Where sent: | | | | |
| Date: | _ | | | |
| TAT: | | | | |
| 21. Information entered into: | | | | |
| Internal Tracking Log? | \ | | | |
| Dry Weight Log? | 1 | | - | |
| Client Log? | - | | \ | |
| Composite Log? | | | 1 | > |
| Date | 7 | | Date: 6-/2 | 20/,00 |
| 6-12-01 | S | . | Date: 6~ | 136 |

111 Herrick Street Merrimack, NH 03054 (603) 424-2022

Please Circle if: Sample= (Soil) Sample= Waste

| | | | _,_ | | | | | | | | | | | | | | | | | | | | | |
|---|--------|---|-----|------|---|------|------|---|--|---|---|--|---|---|--|--|--|--|--|--|-------------|---------------------------------|------|-----------------|
| | | _ | | | | | | ٠ | | | | | | f | | | | | | | 0106096-15A | Sample ID | | Carriora veguta |
| | | | | | | | | | | į | | | | | | | | | | | ROB | Analysis | | |
| | - | | | | | | | | | | | | | | | | | | | | 1-12 Amb | Volume Sample | | |
| - | | | - | | | | | | | | | | • | | | | | | | | - | Preserv. Listed | | |
| | _ - | | | | | | | | | | | | | | | | | | | | 7 | Initial pH | | |
| | | | | | | | | | | | | | | | | | | | | | X | Acceptable? Y or N | | |
| | | | | | · | | | · | | | , | | | | | | | | | | | Added by AMRO | List | |
| | | | | | | | | | | | | | | | | | | | | | | Solution ID # of Preserv. | | |
|) | | | | | | | | | | | | | | | | | | | | | | Volume Preservative Added | | |
| | | | | | | | | | | | | | | | | | | | | | | Final adjusted pH | ! | |

pH Checked By: MG

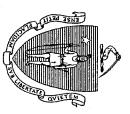
Date:

pH adjusted By:

Date:

ာ

The Commonwealth of Massachusetts



Department of Environmental Protection Senator William X. Wall Experiment Station Division of Environmental Analysis

certifies

M-NH012

AMRO ENVIRONMENTAL LAB 111 HERRICK ST MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

compliance with Massachusetts regulations at 310 CMR 42.00. laboratory. This certificate supersedes all previous Massachusetts certificates issued to this The laboratory is regulated by and shall be responsible for being in

verify the current certification status of the laboratory. as issued by the Massachusetts D.E.P. This certificate is valid only when accompanied by the latest dated Certified Parameter List Contact the Division of Environmental Analysis to

unannounced laboratory inspections. Certification is no guarantee of the validity of the data. This certification is subject to

Director, Division of Environmental Analysis

Issued: 01 JUL 2001

Expires: 30 JUN 2002

COMMONWEALTH OF MASS ACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2001

AMRO ENVIRONMENTAL LAB MERRIMACK NH

M- NH012

| SULFATE EPA 375.4 SULFATE EPA 300.0 AMMONIA-N EPA 350.2 NITRATE-N EPA 300.0 | TOTAL ALKALINITY EPA 310.1 CHLORIDE EPA 325.3 CHLORIDE EPA 300.0 FLUORIDE EPA 340.2 FLUORIDE EPA 300.0 | PH EPA 150.1 SPECIFIC CONDUCTIVITY EPA 120.1 TOTAL DISSOLVED SOLIDS EPA 160.1 TOTAL HARDNESS (CACO3) EPA 200.7 CALCIUM EPA 200.7 MAGNESIUM EPA 200.7 SODIUM EPA 200.7 EPA 200.7 EPA 200.7 EPA 200.7 EPA 200.7 | MERCURY EPA 245.1 MOLYBDENUM * EPA 200.7 NICKEL * EPA 200.7 SELENIUM EPA 200.7 SELENIUM EPA 270.2 SILVER EPA 200.7 STRONTIUM EPA 200.7 THALLIUM EPA 200.7 THALLIUM EPA 279.2 ZINC EPA 200.7 | BERYLLIUM EPA 200.7 CADMIUM EPA 200.7 CHROMIUM EPA 200.7 COBALT EPA 200.7 COPPER EPA 200.7 IRON EPA 200.7 LEAD EPA 200.7 LEAD EPA 239.2 MANGANIESE EPA 200.7 | ABLE WATER (CHEMISTRY) Analytes and |
|---|---|---|---|--|--------------------------------------|
| | | | VOLATILE AROMATICS EPA 624 CHLORDANE ALDRIN DIELDRIN EPA 608 DDT EPA 608 HEPTACHLOR EPOXIDE POLYCHLORINATED BIPHENYLS (OIL) EPA 608 | CHEMICAL OXYGEN DEMAND CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAND TOTAL CYANIDE NON-FILTERABLE RESIDUE TOTAL RESIDUAL CHLORINE OIL AND GREASE TOTAL PHENOLICS VOLATILE HALOCARBONS EPA 410.4 HACH METHOD 8000 EPA 405.1 EPA 405.1 EPA 405.1 EPA 420.1 EPA 624 | |

COMMONWEALTH OF MASS ACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of:

AMRO ENVIRONMENTAL LAB

MERRIMACK NH

M- NH012

01 JUL 2001

POTABLE WATER (CHEMISTRY) Date Effective 01 JUL 2001 Date Expiration 30 JUN 2002

NCKE! COPPER ARSENIC 1,2-DIBROMO-3-CHLOROPROPANE 1,2-DIBROMOETHANE RESIDUAL FREE CHLORINE TURBIDITY CYANIDE SULFATE TOTAL DISSOLVED SOLIDS CALCIUM FLUORIDE LEAD FLUORIDE NITRITE-N NITRA TE-N THALLIUM SELENIUM MERCURY CHROMIUM CADMIUM BERYLLIUM BARIUM ARSENIC ANTIMONY Analytes and Methods EPA 504.1 EPA 504.1 EPA 150.1 SM 2540C SM 4500-CL-G EPA 180.1 SM 4500-CN-C,E EPA 300.0 EPA 200.7 SM 4500-F-E EPA 300.0 EPA 353.2 EPA 353.2 EPA 200.9 EPA 200.9 EPA 200.7 EPA 245.1 EPA 200.9 EPA 200.7 EPA 200.7 EPA 200.7 EPA 200.7 EPA 200.7 EPA 200.9 EPA 200.7 EPA 200.9



CASE NARRATIVE 0106096

GENERAL

No QC deviations were observed.

GC/MS-SEMIVOLATILES SOIL

- laboratory control limits due to a possible concentration error. Laboratory Control Sample (LCS-4740) had several recoveries outside the
- 2 sample 0106093-14C. All %R's and %RPD's were within control limits with the following exceptions: The batch Matrix Spike (MS) and Matrix Spike duplicate (MSD) were performed on
- 2.1 concentration of this compound in the native sample. control limits (34-95%) in the The recoveries for 1,2,4-Trichlorobenzene were outside the laboratory MSand MSD due to a high
- 2.2 limits (36-90%) in the MS The recovery for 2-Chlorophenol was outside the laboratory control
- 2.3 Several %RPD's were outside the laboratory control limits.
- \dot{n} No other QC deviations were observed.

MADEP-EPH SOIL

- : outside the laboratory control limits (40-140%). The batch Matrix Spike (MS) 0106114-01A had a recovery for Pyrene at 208%
- 2 No other QC deviations were observed.

GC/ECD-PCB

WATER

laboratory reporting limit 0.20µg/L Aroclor-1260 was not detected in the associated The Method Blank (MB-4695) contained Aroclor-1260 at 0.2446µg/L above the



- 2 Laboratory Control Sample Duplicate (LCSD) are provided. to insufficient sample volume. However, the Laboratory Control Sample (LCS) and The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) were not performed due
- 3. No other QC deviations were observed.

SOIL SOIL

- The Method Blank (MB-4842) contained Aroclor-1260 at 16.84µg/kg below the laboratory reporting limit 25µg/kg.
- 2 following exceptions: 00291-SS39 (0106096-06A). All %R's and %RPD's were within control limits with the The Matrix Spike (MS) and Matrix Spike duplicate (MSD) were performed on sample
- The recovery for Aroclor-1016 was 129% outside the laboratory control limits (28-128%) in the MSD.
- $\dot{\omega}$ the laboratory control limits (43-117%) in sample 00291-SS37 (0106096-04A). samples 00291-SS50 (0106096-18A). The surrogate Tetrachloro-m-xylene was outside The surrogate Decachlorobiphenyl was outside the laboratory control limits (20-134%) in
- 4. No other QC deviations were observed.

Massachusetts Department of Environmental Protection (MADEP) Volatile Petroleum Hydrocarbons (VPH) Method 1.0 - January 1998 **AMRO Modifications**

analytes while providing accurate hydrocarbon range data range being measured. This approach eliminates potential false positives for the target quantified using predominant mass fragmentation ions which are characteristic for the spectrometer (GC/MS) system to analyze samples for VPH. This modification is based on the use of a purge and trap gas chromatography mass The hydrocarbon ranges are

minimum, method blank, laboratory control sample, and duplicate analysis. A matrix spike and/or matrix spike duplicate is analyzed if sufficient sample is submitted to the GC/MS analysis of a gasoline standard to correctly identify the marker compounds and elution order of specific gasoline components. Batch quality control includes, at a The chromatographic column is an HP-624 capillary column which has been validated by

ranges is approximately 0.6-2.8 mg/kg in soil and 25-110 μg/L in water. The RL of this method for the target analytes ranges from approximately 0.05-0.13 mg/kg in soil and 2.0-5.0 µg/L for water samples. The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic

Massachusetts Department of Environmental Protection (MADEP) Extractable Petroleum Hydrocarbons (EPH) Method 1.0 - January 1998 AMRO Modifications

analysis technique. measured. This approach eliminates the silica gel solid-phase fractionation step. False positives for targeted PAH analytes are eliminated by using GC/MS as the primary predominant mass fragmentation ions which are characteristic for the range spectrometer This modification is based on a solvent extraction and gas (GC/MS) analysis. The hydrocarbon ranges chromatography аге quantified False mass being using

analyzed if sufficient sample is submitted to the laboratory. Bromonaphthalene, are added to the finished extract prior to analysis instrument performance. Batch quality control includes, at a minimum, a blank, laboratory control sample and duplicate sample analysis. A mate matrix and extraction efficiency. 20 ng/ μL in the sample extract. These two surrogates monitor the effects of the sample 40 ng/μL. o-Terphenyl and 1-Chlorooctadecane are added as surrogate compounds at Internal standard calibration is performed using 5α -Androstane at a concentration of The chromatographic column is a J&W Scientific DB-5ms capillary column Two additional surrogates, 2-Fluorobiphenyl and at a minimum, a procedure A matrix spike to monitor

operating the GC/MS in SIM mode. For sites requiring the lowest levels cited in the Massachusetts mode is used 1.0µg/L for water when operating the GC/MS in full scan mode, and 0.1 to 1.0µg/L when method for the Target PAH analytes ranges from approximately 0.25 to 0.5mg/kg in soil; ranges is approximately 2-15 mg/kg in soil and 10-50 μ g/L in water. The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic Contingency Plan for water, GC/MS in the Selected Ion Monitoring (SIM) The RL of this

Date: 05-Jul-01

Lab ID: Project: CLIENT: Analyses Lab Order: 0106096 0106096-16B MDC-Canton 00291 GEI Consultants, Inc. Result Qual Units Client Sample ID: 00291-SS42 Collection Date: 6/7/01 Matrix: SOIL DF Date Analyzed

| | | | | C | |
|---|---------------|-------------------|---------|-------------------|--|
| Spike Recovery outside accepted recovery limits | outside accen | S - Spike Recover | | e Reporting Limit | Oualifiers: ND - Not Detected at the Reporting Limit |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 280 | ND | 2,4-Dinitrotoluene |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 280 | ND | Acenaphthene |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 560 | ND | 2,4-Dinitrophenol |
| 6/20/01 9:03:00 PM | | µg/Kg-dry | 560 | ND | 4-Nitrophenol |
| 6/20/01 9:03:00 PM | | μg/Kg-dry | 560 | ND | 3-Nitroaniline |
| 6/20/01 9:03:00 PM | > | µg/Kg-dry | 280 | ND | Acenaphthylene |
| 6/20/01 9:03:00 PM | | µg/Kg-dry | 280 | ND | 2,6-Dinitrotoluene |
| 6/20/01 9:03:00 PM | | μg/Kg-dry | 280 | ND | Dimethyl phthalate |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 560 | N | 2-Nitroaniline |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 280 | ND | 2-Chloronaphthalene |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 280 | ND | 2,4,5-Trichlorophenol |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 280 | ND | 2,4,6-Trichlorophenol |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 280 | ND | Hexachlorocyclopentadiene |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 280 | N | 2-Methylnaphthalene |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 560 | ND | 4-Chloro-3-methylphenol |
| 6/20/01 9:03:00 PM | | μg/Kg-dry | 280 | ND | Hexachlorobutadiene |
| 6/20/01 9:03:00 PM | _ | µg/Kg-dry | 280 | ND | 4-Chloroaniline |
| 6/20/01 9:03:00 PM | _ | µg/Kg-dry | 280 | ND | Naphthalene |
| 6/20/01 9:03:00 PM | _ | µg/Kg-dry | 280 | ND | 1,2,4-Trichlorobenzene |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 280 | N | 2,4-Dichlorophenol |
| 6/20/01 9:03:00 PM | → | μg/Kg-dry | 280 | N | Bis(2-chloroethoxy)methane |
| 6/20/01 9:03:00 PM | - | μg/Kg-dry | 280 | ND | 2-Nitrophenol |
| 6/20/01 9:03:00 PM | → | μg/Kg-dry | 560 | ND | Benzoic acid |
| 6/20/01 9:03:00 PM | <u>~</u> | μg/Kg-dry | 280 | ND | 2,4-Dimethylphenol |
| 6/20/01 9:03:00 PM | <u> </u> | μg/Kg-dry | 280 | ND | Isophorone |
| 6/20/01 9:03:00 PM | <u></u> | μg/Kg-dry | 280 | ND | Nitrobenzene |
| 6/20/01 9:03:00 PM | - | μg/Kg-dry | 280 | ND | Hexachloroethane |
| 6/20/01 9:03:00 PM | | μg/Kg-dry | 280 | ND | N-Nitrosodi-n-propylamine |
| 6/20/01 9:03:00 PM | - | µg/Kg-dry | 280 | ND | 4-Methylphenol |
| 6/20/01 9:03:00 PM | <u> </u> | μg/Kg-dry | 280 | N | Bis(2-chloroisopropyl)ether |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 280 | ND | 1,2-Dichlorobenzene |
| 6/20/01 9:03:00 PM | <u></u> | μg/Kg-dry | 280 | ND | 2-Methylphenol |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 560 | ND | Benzyl alcohol |
| 6/20/01 9:03:00 PM | _ | μg/Kg-dry | 280 | ND | 1,4-Dichlorobenzene |
| 6/20/01 9:03:00 PM | <u> </u> | μg/Kg-dry | 280 | ND | 1,3-Dichlorobenzene |
| 6/20/01 9:03:00 PM | <u> </u> | μg/Kg-dry | 280 | ND | 2-Chlorophenol |
| 6/20/01 9:03:00 PM | <u> </u> | μg/Kg-dry | 280 | ND | Bis(2-chloroethyl)ether |
| 6/20/01 9:03:00 PM | <u> </u> | μg/Kg-dry | 280 | ND | Phenol |
| Alialyst: AD | | | A0710C | g | OF STREET ON GAMICO |
| ^ ~~ lvs+: < J | | | SW8270C | 21 | SEMIVOLATILE ORGANICS |

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

- See Case Narrative

E - Value above quantitation range

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded

Date: 05-Jul-01

| CLIENT: | GEI Consultants, Inc. | Client Sample ID: 00291-SS42 | 00291-SS42 |
|------------|-----------------------|------------------------------|------------|
| Lab Order: | 0106096 | | |
| Project: | MDC-Canton 00291 | Collection Date: 6/7/01 | 6/7/01 |
| Lab ID: | 0106096-16B | Matrix: SOIL | SOIL |
| | | | |

| Analyses | Result | RL Qual | al Units | DF | Date Analyzed |
|-----------------------------|--------|---------|-----------|----------|--------------------|
| Dibenzofuran | ND | 280 | µg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Diethyl phthalate | ND | 280 | μg/Kg-dry | <u></u> | 6/20/01 9:03:00 PM |
| 4-Chlorophenyl phenyl ether | ND | 280 | μg/Kg-dry | → | 6/20/01 9:03:00 PM |
| Fluorene | ND | 280 | μg/Kg-dry | → | 6/20/01 9:03:00 PM |
| 4-Nitroaniline | ND | 560 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| 4,6-Dinitro-2-methylphenol | ND | 560 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| N-Nitrosodiphenylamine | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| 1,2-Diphenylhydrazine (as | N N | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Azobenzene) | i | 1 1 | | | |
| 4-Bromophenyl phenyl ether | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Hexachlorobenzene | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Pentachlorophenol | ND | 560 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Phenanthrene | ND | 280 | μg/Kg-dry | | 6/20/01 9:03:00 PM |
| Anthracene | ND | 280 | μg/Kg-dry | | 6/20/01 9:03:00 PM |
| Carbazole | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Di-n-butyl phthalate | ND | 280 | μg/Kg-dry | | 6/20/01 9:03:00 PM |
| Fluoranthene | ND | 280 | μg/Kg-dry | | 6/20/01 9:03:00 PM |
| Pyrene | ND | 280 | μg/Kg-dry | | 6/20/01 9:03:00 PM |
| Butyl benzyl phthalate | N | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Bis(2-ethylhexyl)phthalate | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| 3,3´-Dichlorobenzidine | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Benz(a)anthracene | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Chrysene | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Di-n-octyl phthalate | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Benzo(b)fluoranthene | ND | 280 | μg/Kg-dry | <u></u> | 6/20/01 9:03:00 PM |
| Benzo(k)fluoranthene | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Benzo(a)pyrene | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Dibenz(a,h)anthracene | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Indeno(1,2,3-cd)pyrene | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Benzo(g,h,i)perylene | ND | 280 | μg/Kg-dry | _ | 6/20/01 9:03:00 PM |
| Surr: 2-Fluorophenol | 51.3 | 28-93 | %REC | - | 6/20/01 9:03:00 PM |
| Surr: Phenol-d5 | 54.0 | 31-97 | %REC | - | 6/20/01 9:03:00 PM |
| Surr: Nitrobenzene-d5 | 54.0 | 32-95 | %REC | - | 6/20/01 9:03:00 PM |
| Surr: 2-Fluorobiphenyl | 54.9 | 38-98 | %REC | > | 6/20/01 9:03:00 PM |
| Surr: 2,4,6-Tribromophenol | 65.0 | 34-114 | %REC | _ | 6/20/01 9:03:00 PM |
| Surr: 4-Terphenyl-d14 | 61.8 | 41-108 | %REC | <u></u> | 6/20/01 9:03:00 PM |
| | | | | | |

| | | | Qualifiers: |
|---|---|--|---|
| H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

Date: 05-Jul-01

| CLIENT: | GEI Consultants, Inc. | | | Client Sample ID: 00291-SS49 | 00291- | SS49 |
|----------------------------|--|-------------------|------------|---|------------|---------------------|
| Lab Order: Project: | 0106096 MDC-Canton 00291 | | | Collection Date: | 6/7/01 | |
| Lab ID: | 0106096-17B | | | Matrix: | SOIL | |
| Analyses | | Result | RL Qual | Units | DF | Date Analyzed |
| SEMIVOLATILE ORGANICS | E ORGANICS | WS | SW8270C | | | Analyst: KD |
| Phenol | | N D | 270 | ug/Kg-dry | → | 6/20/01 9:29:00 PM |
| Bis(2-chloroethyl)ether | yl)ether | ND | 270 | µg/Kg-dry | - | 6/20/01 9:29:00 PM |
| 2-Chlorophenol | | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 1,3-Dichlorobenzene | zene | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 1,4-Dichlorobenzene | izene | ND | 270 | µg/Kg-dry | | 6/20/01 9:29:00 PM |
| Benzyl alcohol | | ; 8 | 550 | μg/Kg-dry | | 6/20/01 9:29:00 PM |
| 2-Methylphenol | | . N | 270 | μg/Kg-dry | · | 6/20/01 9:29:00 PM |
| Ris/2-chlorobenzene | izene rrondlother | 5 8 | 270 | μg/Kg-dry | - د | 6/20/01 9:29:00 PM |
| 4-Methylphenol | o opyreniei | Z Z | 270 | ug/Kg-dry | | 6/20/01 9:29:00 PM |
| N-Nitrosodi-n-propylamine | ropylamine | N D | 270 | ug/Kg-dry | - | 6/20/01 9:29:00 PM |
| Hexachloroethane | ine | ND | 270 | µg/Kg-dry | - | 6/20/01 9:29:00 PM |
| Nitrobenzene | | ND | 270 | μg/Kg-dry | - | 6/20/01 9:29:00 PM |
| Isophorone | | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 2,4-Dimethylphenol | enol | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Benzoic acid | | 9/0 | 550 550 | µg/Kg-dry | | 6/20/01 9:29:00 PM |
| Bis(2-chloroethoxy)methane | oxy)methane | N i | 270 | µa/Ka-dry | - - | 6/20/01 9:29:00 PM |
| 2,4-Dichlorophenol | enol : | N | 270 | µg/Kg-dry | - | 6/20/01 9:29:00 PM |
| 1,2,4-Trichlorobenzene | enzene | ND | 270 | µg/Kg-dry | | 6/20/01 9:29:00 PM |
| Naphthalene | | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 4-Chloroaniline | | ND | 270 | μg/Kg-dry | - | 6/20/01 9:29:00 PM |
| Hexachlorobutadiene | idiene | ND | 270 | µg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 4-Chloro-3-methylphenol | hylphenol | ND | 550 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 2-Methylnaphthalene | alene | ND | 270 | µg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Hexachlorocyclopentadiene | opentadiene | ND | 270 | µg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 2,4,6-Trichlorophenol | henol | ND | 270 | µg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 2,4,5-Trichloropheno | henol | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 2-Chloronaphthalene | alene | ND | 270 | µg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 2-Nitroaniline | | ND | 550 | µg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Dimethyl phthalate | ate | ND | 270 | µg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 2,6-Dinitrotoluene | ne | ND | 270 | µg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Acenaphthylene | Ψ | ND | 270 | µg/Kg-dry | | 6/20/01 9:29:00 PM |
| 3-Nitroaniline | | ND | 550 | µg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 4-Nitrophenol | | ND | 550 | µg/Kg-dry | | 6/20/01 9:29:00 PM |
| 2,4-Dinitropheno | <u>o</u> | ND | 550 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Acenaphthene | | ND | 270 | μg/Kg-dry | | 6/20/01 9:29:00 PM |
| 2,4-Dinitrotoluene | ne | ND | 270 | μg/Kg-dry | | 6/20/01 9:29:00 PM |
| Qualifiers: | ND - Not Detected at the Reporting Limit | orting Limit | | S - Spike Recovery outside accepted recovery limits | side accep | ted recovery limits |
| | J - Analyte detected below quantitation limits | antitation limits | | R - RPD outside accepted recovery limits | ed recover | y limits |
| | | | | | | |

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

E - Value above quantitation range
- See Case Narrative

B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded

Date: 05-Jul-01

Project: CLIENT: Lab ID: Lab Order: 0106096 0106096-17B MDC-Canton 00291 GEI Consultants, Inc. Client Sample ID: 00291-SS49 Collection Date: 6/7/01 Matrix: SOIL

| Analyses | Result | RL Qual | ıl Units | DF | Date Analyzed |
|--|--------|---------|-----------|----------|--------------------|
| Dibenzofuran | ND | 270 | µg/Kg-dry | | 6/20/01 9:29:00 PM |
| Diethyl phthalate | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 4-Chlorophenyl phenyl ether | N | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Fluorene | N | 270 | μg/Kg-dry | - | 6/20/01 9:29:00 PM |
| 4-Nitroaniline | N | 550 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 4,6-Dinitro-2-methylphenol | N | 550 | μg/Kg-dry | - | 6/20/01 9:29:00 PM |
| N-Nitrosodiphenylamine | N | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 1,2-Diphenylhydrazine (as Azobenzene) | ND | 270 | μg/Kg-dry | > | 6/20/01 9:29:00 PM |
| 4-Bromophenyl phenyl ether | ND | 270 | μg/Kg-dry | - | 6/20/01 9:29:00 PM |
| Hexachlorobenzene | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Pentachlorophenol | ND | 550 | μg/Kg-dry | - | 6/20/01 9:29:00 PM |
| Phenanthrene | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Anthracene | ND | 270 | μg/Kg-dry | → | 6/20/01 9:29:00 PM |
| Carbazole | N D | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Di-n-butyl phthalate | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Fluoranthene | ND | 270 | μg/Kg-dry | | 6/20/01 9:29:00 PM |
| Pyrene | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Butyl benzyl phthalate | ND | 270 | µg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Bis(2-ethylhexyl)phthalate | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| 3,3'-Dichlorobenzidine | ND | 270 | μg/Kg-dry | | 6/20/01 9:29:00 PM |
| Benz(a)anthracene | ND | 270 | μg/Kg-dry | | 6/20/01 9:29:00 PM |
| Chrysene | ND | 270 | μg/Kg-dry | | 6/20/01 9:29:00 PM |
| Di-n-octyl phthalate | ND | 270 | μg/Kg-dry | | 6/20/01 9:29:00 PM |
| Benzo(b)fluoranthene | ND | 270 | μg/Kg-dry | | 6/20/01 9:29:00 PM |
| Benzo(k)fluoranthene | ND | 270 | µg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Benzo(a)pyrene | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Dibenz(a,h)anthracene | ND | 270 | μg/Kg-dry | | 6/20/01 9:29:00 PM |
| Indeno(1,2,3-cd)pyrene | ND | 270 | μg/Kg-dry | _ | 6/20/01 9:29:00 PM |
| Benzo(g,h,i)perylene | ND | 270 | μg/Kg-dry | | 6/20/01 9:29:00 PM |
| Surr: 2-Fluorophenol | 60.6 | 28-93 | %REC | _ | 6/20/01 9:29:00 PM |
| Surr: Phenol-d5 | 62.1 | 31-97 | %REC | | 6/20/01 9:29:00 PM |
| Surr: Nitrobenzene-d5 | 60.9 | 32-95 | %REC | _ | 6/20/01 9:29:00 PM |
| Surr: 2-Fluorobiphenyl | 63.0 | 38-98 | %REC | _ | 6/20/01 9:29:00 PM |
| Surr: 2,4,6-Tribromophenol | 74.7 | 34-114 | %REC | _ | 6/20/01 9:29:00 PM |
| Surr: 4-Terphenyl-d14 | 70.3 | 41-108 | %REC | _ | 6/20/01 9:29:00 PM |
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ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

Date: 05-Jul-01

Lab ID: Project: CLIENT: **Analyses** Lab Order: 0106096 0106096-18B MDC-Canton 00291 GEI Consultants, Inc. Result Qual Units Client Sample ID: 00291-SS50 Collection Date: 6/7/01 Matrix: SOIL DF

Date Analyzed

| S - Spike Recovery outside accepted recovery limits | y outside acc | S - Spike Recovery | | ne Reporting Limit | Qualifiers: ND - Not Detected at the Reporting Limit |
|---|---------------|--------------------|---------|--------------------|--|
| 6/20/01 9:56:00 PM | | μg/Kg-dry | 290 | ND | 2,4-Dinitrotoluene |
| 6/20/01 9:56:00 PM | | μg/Kg-dry | 290 | ND | Acenaphthene |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 590 | ND | 2,4-Dinitrophenol |
| 6/20/01 9:56:00 PM | _ | µg/Kg-dry | 590 | ND | 4-Nitrophenol |
| 6/20/01 9:56:00 PM | | µg/Kg-dry | 590 | ND | 3-Nitroaniline |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | Acenaphthylene |
| 6/20/01 9:56:00 PM | _ | µg/Kg-dry | 290 | ND | 2,6-Dinitrotoluene |
| 6/20/01 9:56:00 PM | _ | µg/Kg-dry | 290 | ND | Dimethyl phthalate |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 590 | ND | 2-Nitroaniline |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | 2-Chloronaphthalene |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | 2,4,5-Trichlorophenol |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | 2,4,6-Trichlorophenol |
| 6/20/01 9:56:00 PM | _ | µg/Kg-dry | 290 | ND | Hexachlorocyclopentadiene |
| 6/20/01 9:56:00 PM | _ | µg/Kg-dry | 290 | ND | 2-Methylnaphthalene |
| 6/20/01 9:56:00 PM | _ | µg/Kg-dry | 590 | ND | 4-Chloro-3-methylphenol |
| 6/20/01 9:56:00 PM | <u></u> | µg/Kg-dry | 290 | ND | Hexachlorobutadiene |
| 6/20/01 9:56:00 PM | <u></u> | µg/Kg-dry | 290 | ND | 4-Chloroaniline |
| 6/20/01 9:56:00 PM | _ | µg/Kg-dry | 290 | ND | Naphthalene |
| 6/20/01 9:56:00 PM | _ | µg/Kg-dry | 290 | ND | 1,2,4-Trichlorobenzene |
| 6/20/01 9:56:00 PM | _ | µg/Kg-dry | 290 | ND | 2,4-Dichlorophenol |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | Bis(2-chloroethoxy)methane |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | 2-Nitrophenol |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 590 | ND | Benzoic acid |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | 2,4-Dimethylphenol |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | Isophorone |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | Nitrobenzene |
| 6/20/01 9:56:00 PM | _ | µg/Kg-dry | 290 | ND | Hexachloroethane |
| 6/20/01 9:56:00 PM | _ | µg/Kg-dry | 290 | ND | N-Nitrosodi-n-propylamine |
| 6/20/01 9:56:00 PM | - | µg/Kg-dry | 290 | ND | 4-Methylphenol |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | Bis(2-chloroisopropyl)ether |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | 1,2-Dichlorobenzene |
| 6/20/01 9:56:00 PM | <u> </u> | μg/Kg-dry | 290 | ND | 2-Methylphenol |
| 6/20/01 9:56:00 PM | - | μg/Kg-dry | 590 | ND | Benzyl alcohol |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | N | 1,4-Dichlorobenzene |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | 1,3-Dichlorobenzene |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | 2-Chlorophenol |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | Bis(2-chloroethyl)ether |
| 6/20/01 9:56:00 PM | _ | μg/Kg-dry | 290 | ND | Phenol |
| Analyst: KD | | | SW8270C | ര് | SEMIVOLATILE ORGANICS |

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

B - Analyte detected in the associated Method Blank J - Analyte detected below quantitation limits

E - Value above quantitation range R - RPD outside accepted recovery limits

- See Case Narrative

H - Method prescribed holding time exceeded

Date: 05-Jul-01

| CLIENT: | GEI Consultants, Inc. | Client Sample ID: 00291-SS50 | 00291-SS50 |
|------------|-----------------------|------------------------------|------------|
| Lab Order: | 0106096 | | |
| Project: | MDC-Canton 00291 | Collection Date: 6/7/01 | 6/7/01 |
| Lab ID: | 0106096-18B | Matrix: SOIL | SOIL |
| | | | |

| Analyses | Result | RL Que | Qual Units | DF | Date Analyzed |
|-----------------------------|--------|--------|------------|----------|--------------------|
| Dibenzofuran | ND | 290 | µg/Kg-dry | | 6/20/01 9:56:00 PM |
| Diethyl phthalate | N | 290 | μg/Kg-dry | | 6/20/01 9:56:00 PM |
| 4-Chlorophenyl phenyl ether | ND | 290 | μg/Kg-dry | -> | 6/20/01 9:56:00 PM |
| Fluorene | N | 290 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| 4-Nitroaniline | ND | 590 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| 4,6-Dinitro-2-methylphenol | ND | 590 | μg/Kg-dry | - | 6/20/01 9:56:00 PM |
| N-Nitrosodiphenylamine | ND | 290 | μg/Kg-dry | <u></u> | 6/20/01 9:56:00 PM |
| 1,2-Diphenylhydrazine (as | N | 290 | μg/Kg-dry | | 6/20/01 9:56:00 PM |
| Azobenzene) | | | | | |
| 4-Bromophenyl phenyl ether | ND | 290 | μg/Kg-dry | | 6/20/01 9:56:00 PM |
| Hexachlorobenzene | N | 290 | μg/Kg-dry | - | 6/20/01 9:56:00 PM |
| Pentachlorophenol | N | 590 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| Phenanthrene | 1,000 | 290 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| Anthracene | ND | 290 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| Carbazole | ND | 290 | μg/Kg-dry | <u></u> | 6/20/01 9:56:00 PM |
| Di-n-butyl phthalate | N | 290 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| Fluoranthene | 1,400 | 290 | μg/Kg-dry | > | 6/20/01 9:56:00 PM |
| Pyrene | 1,300 | 290 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| Butyl benzyl phthalate | ND | 290 | μg/Kg-dry | | 6/20/01 9:56:00 PM |
| Bis(2-ethylhexyl)phthalate | ND | 290 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| 3,3'-Dichlorobenzidine | N | 290 | μg/Kg-dry | | 6/20/01 9:56:00 PM |
| Benz(a)anthracene | 760 | 290 | μg/Kg-dry | <u> </u> | 6/20/01 9:56:00 PM |
| Chrysene | 730 | 290 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| Di-n-octyl phthalate | ND | 290 | μg/Kg-dry | | 6/20/01 9:56:00 PM |
| Benzo(b)fluoranthene | 910 | 290 | μg/Kg-dry | - | 6/20/01 9:56:00 PM |
| Benzo(k)fluoranthene | 320 | 290 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| Benzo(a)pyrene | 750 | 290 | μg/Kg-dry | <u></u> | 6/20/01 9:56:00 PM |
| Dibenz(a,h)anthracene | ND | 290 | μg/Kg-dry | - | 6/20/01 9:56:00 PM |
| Indeno(1,2,3-cd)pyrene | 510 | 290 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| Benzo(g,h,i)perylene | 450 | 290 | μg/Kg-dry | _ | 6/20/01 9:56:00 PM |
| Surr: 2-Fluorophenol | 55.0 | 28-93 | %REC | | 6/20/01 9:56:00 PM |
| Surr: Phenol-d5 | 58.6 | 31-97 | %REC | | 6/20/01 9:56:00 PM |
| Surr: Nitrobenzene-d5 | 60.8 | 32-95 | %REC | _ | 6/20/01 9:56:00 PM |
| Surr: 2-Fluorobiphenyl | 59.9 | 38-98 | %REC | _ | 6/20/01 9:56:00 PM |
| Surr: 2,4,6-Tribromophenol | 70.5 | 34-114 | %REC | _ | 6/20/01 9:56:00 PM |
| Surr: 4-Terphenyl-d14 | 67.9 | 41-108 | %REC | _ | 6/20/01 9:56:00 PM |
| | | | | | |

| | | | Qualifiers: |
|---|---|--|---|
| H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

Project: Lab ID: CLIENT: Analyses Lab Order: 0106096-19B MDC-Canton 00291 0106096 GEI Consultants, Inc. Result Qual Units Client Sample ID: 00291-SS51 Collection Date: 6/7/01 Matrix: SOIL Date Analyzed

| SEMIVOLATILE ORGANICS | WS | SW8270C | | | Analyst: KD |
|--|----------------|---------|-------------------|--------------|---|
| Phenol | N | 350 | µg/Kg-dry | -> | 6/20/01 10:23:00 PM |
| Bis(2-chloroethyl)ether | ND | 350 | µg/Kg-dry | | |
| 2-Chlorophenol | ND | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 1,3-Dichlorobenzene | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 1,4-Dichlorobenzene | N | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Benzyl alcohol | ND | 690 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 2-Methylphenol | ND | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 1,2-Dichlorobenzene | ND | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Bis(2-chloroisopropyl)ether | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 4-Methylphenol | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| N-Nitrosodi-n-propylamine | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Hexachloroethane | ND | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Nitrobenzene | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Isophorone | ND | 350 | µg/Kg-dry | <u>~</u> | 6/20/01 10:23:00 PM |
| 2,4-Dimethylphenol | ND | 350 | μg/Kg-dry | <u> </u> | 6/20/01 10:23:00 PM |
| Benzoic acid | 1,000 | 690 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 2-Nitrophenol | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Bis(2-chloroethoxy)methane | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 2,4-Dichlorophenol | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 1,2,4-Trichlorobenzene | N | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Naphthalene | N | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 4-Chloroaniline | N | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Hexachlorobutadiene | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 4-Chloro-3-methylphenol | ND | 690 | µg/Kg-dry | | 6/20/01 10:23:00 PM |
| 2-Methylnaphthalene | ND | 350 | μg/Kg-dry | > | 6/20/01 10:23:00 PM |
| Hexachlorocyclopentadiene | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 2,4,6-Trichlorophenol | N | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 2,4,5-Trichlorophenol | N | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 2-Chloronaphthalene | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 2-Nitroaniline | ND | 690 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Dimethyl phthalate | ND | 350 | μg/Kg-dry | - | 6/20/01 10:23:00 PM |
| 2,6-Dinitrotoluene | ND | 350 | μg/Kg-dry | | 6/20/01 10:23:00 PM |
| Acenaphthylene | ND | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 3-Nitroaniline | ND | 690 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 4-Nitrophenol | ND | 690 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 2,4-Dinitrophenol | ND | 690 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Acenaphthene | N D | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 2,4-Dinitrotoluene | ND | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Qualifiers: ND - Not Detected at the Reporting Limit | eporting Limit | | S - Spike Recover | y outside ac | S - Spike Recovery outside accepted recovery limits |
| | | | | | |

E - Value above quantitation range

R - RPD outside accepted recovery limits

- See Case Narrative

J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

Date: 05-Jul-01

| Matrix: SOIL | М | 0106096-19B | Lab ID: |
|------------------------------|-------------|-----------------------|------------|
| Collection Date: 6/7/01 | Collection | MDC-Canton 00291 | Project: |
| | | 0106096 | Lab Order: |
| Client Sample ID: 00291-SS51 | Client Samp | GEI Consultants, Inc. | CLIENT: |
| | | | |

| Analyses | Result | RL Qual | al Units | DF | Date Analyzed |
|--|--------|---------|-----------|----------|---------------------|
| Dibenzofuran | ND | 350 | µg/Kg-dry | - | 6/20/01 10:23:00 PM |
| Diethyl phthalate | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 4-Chlorophenyl phenyl ether | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Fluorene | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 4-Nitroaniline | ND | 690 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 4,6-Dinitro-2-methylphenol | ND | 690 | μg/Kg-dry | | 6/20/01 10:23:00 PM |
| N-Nitrosodiphenylamine | ND | 350 | μg/Kg-dry | | 6/20/01 10:23:00 PM |
| 1,2-Diphenylhydrazine (as Azobenzene) | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 4-Bromophenyl phenyl ether | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Hexachlorobenzene | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Pentachlorophenol | ND | 690 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Phenanthrene | N | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Anthracene | N | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Carbazole | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Di-n-butyl phthalate | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Fluoranthene | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Pyrene | ND | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Butyl benzyl phthalate | ND | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Bis(2-ethylhexyl)phthalate | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| 3,3'-Dichlorobenzidine | ND | 350 | µg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Benz(a)anthracene | N | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Chrysene | N | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Di-n-octyl phthalate | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Benzo(b)fluoranthene | ND | 350 | μg/Kg-dry | - | 6/20/01 10:23:00 PM |
| Benzo(k)fluoranthene | ND | 350 | μg/Kg-dry | _ | 6/20/01 10:23:00 PM |
| Benzo(a)pyrene | ND | 350 | μg/Kg-dry | - | 6/20/01 10:23:00 PM |
| Dibenz(a,h)anthracene | ND | 350 | μg/Kg-dry | - | 6/20/01 10:23:00 PM |
| Indeno(1,2,3-cd)pyrene | N | 350 | μg/Kg-dry | | 6/20/01 10:23:00 PM |
| Benzo(g,h,i)perylene | P | 350 | μg/Kg-dry | - | 6/20/01 10:23:00 PM |
| Surr: 2-Fluorophenol | 57.4 | 28-93 | %REC | _ | 6/20/01 10:23:00 PM |
| Surr: Phenol-d5 | 59.2 | 31-97 | %REC | - | 6/20/01 10:23:00 PM |
| Surr: Nitrobenzene-d5 | 58.7 | 32-95 | %REC | _ | 6/20/01 10:23:00 PM |
| Surr: 2-Fluorobiphenyl | 60.5 | 38-98 | %REC | _ | 6/20/01 10:23:00 PM |
| Surr: 2,4,6-Tribromophenol | 71.3 | 34-114 | %REC | _ | 6/20/01 10:23:00 PM |
| Surr: 4-Terphenyl-d14 | 67.8 | 41-108 | %REC | _ | 6/20/01 10:23:00 PM |
| | | | | | |

| | | | | Qualifiers: |
|---|---|---|--|---|
| RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitat | H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| laboratory can accurately quantitate. | # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

Analyses Project: CLIENT: Lab ID: Lab Order: 0106096 0106096-20B MDC-Canton 00291 GEI Consultants, Inc. Result RL Qual Units Client Sample ID: 00291-SS52 Collection Date: 6/7/01 Matrix: SOIL \mathbf{DF} Date Analyzed

| S - Spike Recovery outside accepted recovery limits | y outside aco | S - Spike Recover | | ne Reporting Limit | Qualifiers: ND - Not Detected at the Reporting Limit |
|---|---------------|-------------------|---------|--------------------|--|
| 6/20/01 10:49:00 PM | | µg/Kg-dry | 290 | N N | 2,4-Dinitrotoluene |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND D | Acenaphthene |
| 6/20/01 10:49:00 PM | | μg/Kg-dry | 590 | ND | 2,4-Dinitrophenol |
| 6/20/01 10:49:00 PM | _ | µg/Kg-dry | 590 | ND | 4-Nitrophenol |
| 6/20/01 10:49:00 PM | - | μg/Kg-dry | 590 | ND | 3-Nitroaniline |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | Acenaphthylene |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | 2,6-Dinitrotoluene |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | Dimethyl phthalate |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 590 | ND | 2-Nitroaniline |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | N | 2-Chloronaphthalene |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | 2,4,5-Trichlorophenol |
| 6/20/01 10:49:00 PM | | μg/Kg-dry | 290 | N _D | 2,4,6-Trichlorophenol |
| 6/20/01 10:49:00 PM | <u>~</u> | µg/Kg-dry | 290 | N | Hexachlorocyclopentadiene |
| 6/20/01 10:49:00 PM | _ | µg/Kg-dry | 290 | R | 2-Methylnaphthalene |
| 6/20/01 10:49:00 PM | | μg/Kg-dry | 590 | ND | 4-Chloro-3-methylphenol |
| 6/20/01 10:49:00 PM | | μg/Kg-dry | 290 | ND | Hexachlorobutadiene |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | 4-Chloroaniline |
| 6/20/01 10:49:00 PM | | μg/Kg-dry | 290 | N | Naphthalene |
| 6/20/01 10:49:00 PM | | μg/Kg-dry | 290 | N O | 1,2,4-Trichlorobenzene |
| 6/20/01 10:49:00 PM | | μg/Kg-dry | 290 | ND | 2,4-Dichlorophenol |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | Bis(2-chloroethoxy)methane |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | 2-Nitrophenol |
| 6/20/01 10:49:00 PM | | μg/Kg-dry | 590 | 5,100 | Benzoic acid |
| 6/20/01 10:49:00 PM | | μg/Kg-dry | 290 | ND | 2,4-Dimethylphenol |
| 6/20/01 10:49:00 PM | _ | µg/Kg-dry | 290 | ND | Isophorone |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | Nitrobenzene |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | Hexachloroethane |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | N-Nitrosodi-n-propylamine |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | 4-Methylphenol |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | Bis(2-chloroisopropyl)ether |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | 1,2-Dichlorobenzene |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | 2-Methylphenol |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 590 | ND | Benzyi alcohol |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | 1,4-Dichlorobenzene |
| 6/20/01 10:49:00 PM | _ | μg/Kg-dry | 290 | ND | 1,3-Dichlorobenzene |
| 6/20/01 10:49:00 PM | <u></u> | μg/Kg-dry | 290 | ND | 2-Chlorophenol |
| 6/20/01 10:49:00 PM | > | μg/Kg-dry | 290 | ND | Bis(2-chloroethyl)ether |
| 6/20/01 10:49:00 PM | <u> </u> | μg/Kg-dry | 290 | ND | Phenol |
| Analyst: KD | | | SW8270C | SI | SEMIVOLATILE ORGANICS |

- See Case Narrative

R - RPD outside accepted recovery limits

E - Value above quantitation range

J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

Date: 05-Jul-01

| Matrix: SOIL | 0106096-20B | Lab ID: |
|------------------------------|-----------------------|------------|
| Collection Date: 6/7/01 | MDC-Canton 00291 | Project: |
| | 0106096 | Lab Order: |
| Client Sample ID: 00291-SS52 | GEI Consultants, Inc. | CLIENT: |

| Result | RL Qua | al Units | DF | Date Analyzed |
|--------|---|---|---|---|
| ND | 290 | µg/Kg-dry | | 6/20/01 10:49:00 PM |
| ND | 290 | μg/Kg-dry | | 6/20/01 10:49:00 PM |
| ND | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| ND | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| ND | 590 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| ND | 590 | µg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| ND | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| N | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| ND | 290 | µg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| ND | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| ND | 590 | μg/Kg-dry | | 6/20/01 10:49:00 PM |
| N | 290 | μg/Kg-dry | <u></u> | 6/20/01 10:49:00 PM |
| N | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| ND | 290 | μg/Kg-dry | | 6/20/01 10:49:00 PM |
| ND | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| 300 | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| ND | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| N | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| N | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| N | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| R | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| B | 290 | µg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| P | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| ND | 290 | μg/Kg-dry | | 6/20/01 10:49:00 PM |
| N | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| N | 290 | μg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| P | 290 | µg/Kg-dry | | 6/20/01 10:49:00 PM |
| B | 290 | µg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| B | 290 | µg/Kg-dry | _ | 6/20/01 10:49:00 PM |
| 59.8 | 28-93 | %REC | | 6/20/01 10:49:00 PM |
| 60.9 | 31-97 | %REC | _ | 6/20/01 10:49:00 PM |
| 61.7 | 32-95 | %REC | _ | 6/20/01 10:49:00 PM |
| 65.5 | 38-98 | %REC | _ | 6/20/01 10:49:00 PM |
| 75.8 | 34-114 | %REC | _ | 6/20/01 10:49:00 PM |
| 70.2 | 41-108 | %REC | _ | 6/20/01 10:49:00 PM |
| | | | | |
| | Result ND ND ND ND ND ND ND ND ND N | 290 290 290 590 590 290 290 290 290 290 290 290 290 290 2 | 290 290 590 590 290 290 290 290 290 290 290 290 290 2 | RL Qual Units 290 19/Kg-dry 290 19/Kg-dry 290 19/Kg-dry 590 19/Kg-dry 290 290 19/Kg-dry 290 290 19/Kg-dry 28-93 %REC 31-97 %REC 34-114 %REC 41-108 |

| | | | Qualifiers: |
|---|---|--|---|
| H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CII

Date: 05-Jul-01

Lab Order: 0106096 0106096-21B MDC-Canton 00291 GEI Consultants, Inc. Client Sample ID: 00291-SS53 Collection Date: 6/7/01 Matrix: SOIL

Qual Units

 \mathbf{DF}

Date Analyzed

Project:

CLIENT:

Lab ID:

Analyses

| S - Spike Recovery outside accepted recovery limits | y outside acc | S - Spike Recover | | ND - Not Detected at the Reporting Limit | Qualifiers: ND - Not Detected a |
|---|---------------|-------------------|---------|--|---------------------------------|
| 6/20/01 11:16:00 PM | _ | µg/Kg-dry | 780 | ND | 2,4-Dinitrotoluene |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | Acenaphthene |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 1,600 | N | 2,4-Dinitrophenol |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 1,600 | ND | 4-Nitrophenol |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 1,600 | N | 3-Nitroaniline |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | Acenaphthylene |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | 2,6-Dinitrotoluene |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | Dimethyl phthalate |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 1,600 | ND | 2-Nitroaniline |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | 2-Chloronaphthalene |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | 2,4,5-Trichlorophenol |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | 2,4,6-Trichlorophenol |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | Hexachlorocyclopentadiene |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | 2-Methylnaphthalene |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 1,600 | ND | 4-Chloro-3-methylphenol |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | Hexachlorobutadiene |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | 4-Chloroaniline |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | Naphthalene |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | 1,2,4-Trichlorobenzene |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | 2,4-Dichlorophenol |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | Bis(2-chloroethoxy)methane |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | N | 2-Nitrophenol |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 1,600 | 1,900 | Benzoic acid |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | 2,4-Dimethylphenol |
| 6/20/01 11:16:00 PM | | µg/Kg-dry | 780 | N | Isophorone |
| 6/20/01 11:16:00 PM | | µg/Kg-dry | 780 | N | Nitrobenzene |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | Hexachloroethane |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 780 | ND | N-Nitrosodi-n-propylamine |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | 4-Methylphenol |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | Bis(2-chloroisopropyl)ether |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | 1,2-Dichlorobenzene |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | 2-Methylphenol |
| 6/20/01 11:16:00 PM | | μg/Kg-dry | 1,600 | ND | Benzyl alcohol |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | 1,4-Dichlorobenzene |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | 1,3-Dichlorobenzene |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | 2-Chlorophenol |
| 6/20/01 11:16:00 PM | _ | μg/Kg-dry | 780 | ND | Bis(2-chloroethyl)ether |
| 6/20/01 11:16:00 PM | <u> </u> | μg/Kg-dry | 780 | ND | Phenol |
| Analyst: KD | | | SW8270C | S | SEMIVOLATILE ORGANICS |

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

Date: 05-Jul-01

| CLIENT: GEI Consultants, Inc. Client Sam | Client Sample ID: 00291-SS53 |
|--|------------------------------|
| Lab Order: 0106096 | |
| Project: MDC-Canton 00291 Collectio | Collection Date: 6/7/01 |
| Lab ID: 0106096-21B | Matrix: SOIL |

| Analyses | Result | RL Qual | al Units | DF | Date Analyzed |
|--|--------|---------|-----------|----|---------------------|
| Dibenzofuran | ND | 780 | µg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Diethyl phthalate | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| 4-Chlorophenyl phenyl ether | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Fluorene | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| 4-Nitroaniline | ND | 1,600 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| 4,6-Dinitro-2-methylphenol | ND | 1,600 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| N-Nitrosodiphenylamine | ND | 780 | µg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| 1,2-Diphenylhydrazine (as Azobenzene) | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| 4-Bromophenyl phenyl ether | ND | 780 | µg/Kg-dry | | 6/20/01 11:16:00 PM |
| Hexachlorobenzene | ND | 780 | μg/Kg-dry | | 6/20/01 11:16:00 PM |
| Pentachlorophenol | ND. | 1,600 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Phenanthrene | ND | 780 | μg/Kg-dry | | 6/20/01 11:16:00 PM |
| Anthracene | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Carbazole | ND | 780 | μg/Kg-dry | | 6/20/01 11:16:00 PM |
| Di-n-butyl phthalate | ND | 780 | μg/Kg-dry | | 6/20/01 11:16:00 PM |
| Fluoranthene | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Pyrene | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Butyl benzyl phthalate | ND | 780 | μg/Kg-dry | | 6/20/01 11:16:00 PM |
| Bis(2-ethylhexyl)phthalate | N | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| 3,3'-Dichlorobenzidine | N N | 780 | µg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Benz(a)anthracene | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Chrysene | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Di-n-octyl phthalate | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Benzo(b)fluoranthene | ND | 780 | µg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Benzo(k)fluoranthene | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Benzo(a)pyrene | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Dibenz(a,h)anthracene | ND | 780 | μg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Indeno(1,2,3-cd)pyrene | N N | 780 | µg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Benzo(g,h,i)perylene | ND | 780 | µg/Kg-dry | _ | 6/20/01 11:16:00 PM |
| Surr: 2-Fluorophenol | 55.1 | 28-93 | %REC | _ | 6/20/01 11:16:00 PM |
| Surr: Phenol-d5 | 57.8 | 31-97 | %REC | _ | 6/20/01 11:16:00 PM |
| Surr: Nitrobenzene-d5 | 55.5 | 32-95 | %REC | _ | 6/20/01 11:16:00 PM |
| Surr: 2-Fluorobiphenyl | 56.0 | 38-98 | %REC | _ | 6/20/01 11:16:00 PM |
| Surr: 2,4,6-Tribromophenol | 68.0 | 34-114 | %REC | _ | 6/20/01 11:16:00 PM |
| Surr: 4-Terphenyl-d14 | 65.1 | 41-108 | %REC | _ | 6/20/01 11:16:00 PM |
| | | | | | |

| | | | Qualifiers: |
|---|---|--|---|
| H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

QC SUMMARY REPORT

Date: 09-Jul-01

Method Blank

| Sample ID MB-4740 | Batch ID: 4740 | Test Code | : SW8270 | C Units: μg/ | 'Kg | | Analysis [| Date 6/20/01 | 5:54:00 PM | Prep Date | e 6/19/01 | |
|-----------------------------|----------------|-----------|----------|-----------------|-----------|------|------------|--------------|-----------------|-----------|-----------|-----|
| Client ID: | | Run ID: | SV-4_0 | 10620A | | | SeqNo: | 136835 | | | | |
| | QC Sample | | | QC Spike Origir | al Sample | | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| Phenol | ND | 250 | μg/Kg | | | | | | | | | |
| Bis(2-chloroethyl)ether | ND | 250 | μg/Kg | | | | | | | | | |
| 2-Chlorophenol | ND | 250 | μg/Kg | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 250 | μg/Kg | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 250 | μg/Kg | | | | | | | | | |
| Benzyl alcohol | ND | 500 | μg/Kg | | | | | | | | | |
| 2-Methylphenol | ND | 250 | μg/Kg | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 250 | μg/Kg | | | | | | | | | |
| Bis(2-chloroisopropyl)ether | ND | 250 | μg/Kg | | | | | | | | | |
| 4-Methylphenol | ND | 250 | μg/Kg | | | | | | | | | |
| N-Nitrosodi-n-propylamine | ND | 250 | μg/Kg | | | | | | | | | |
| Hexachloroethane | ND | 250 | μg/Kg | | | | | | | | | |
| Nitrobenzene | ND | 250 | μg/Kg | | | | | | | | | |
| Isophorone | ND | 250 | μg/Kg | | | | | | | | | |
| 2,4-Dimethylphenol | ND | 250 | μg/Kg | | | | | | | | | |
| Benzoic acid | ND | 500 | μg/Kg | | | | | | | | | |
| 2-Nitrophenol | ND | 250 | μg/Kg | | | | | | | | | |
| Bis(2-chloroethoxy)methane | ND | 250 | μg/Kg | | | | | | | | | |
| 2,4-Dichlorophenol | ND | 250 | μg/Kg | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 250 | μg/Kg | | | | | | | | | |
| Naphthalene | ND | 250 | μg/Kg | | | | | | | | | |
| 4-Chloroaniline | ND | 250 | μg/Kg | | | | | | | | | |
| Hexachlorobutadiene | ND | 250 | μg/Kg | | | | | | | | | |
| 4-Chloro-3-methylphenol | ND | 500 | μg/Kg | | | | | | | | | |
| 2-Methylnaphthalene | ND | 250 | µg/Kg | | | | | | | | | |

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

Date: 09-Jul-01

| CLIENT: Work Order: Project: | GEI Consultants, 0106096 MDC-Canton 002 | | | | QC SUN | MMARY REPORT Method Blank |
|------------------------------|---|------|-----|----------------|--------|----------------------------|
| Hexachlorocyclope | ntadiene | ND | 250 | μg/Kg | | |
| 2,4,6-Trichloropher | nol | ND | 250 | µg/Kg | | |
| 2,4,5-Trichloropher | ol | ND · | 250 | µg/Kg | | |
| 2-Chloronaphthaler | ne | ND | 250 | μg/Kg | | |
| 2-Nitroaniline | | ND | 500 | μg/Kg | | |
| Dimethyl phthalate | | ND | 250 | μg/Kg | | |
| 2,6-Dinitrotoluene | | ND | 250 | μg/Kg | | |
| Acenaphthylene | | ND | 250 | μg/Kg | | |
| 3-Nitroaniline | | ND | 500 | μg/Kg | | |
| 4-Nitrophenol | | ND | 500 | μ g /Kg | | |
| 2,4-Dinitrophenol | | ND | 500 | μg/Kg | | |
| Acenaphthene | | ND | 250 | μg/Kg | | |
| 2,4-Dinitrotoluene | | ND | 250 | μg/Kg | | |
| Dibenzofuran | | ND | 250 | μg/Kg | | |
| Diethyl phthalate | | ND | 250 | μg/Kg | | |
| 4-Chlorophenyl phe | enyl ether | ND | 250 | μg/Kg | | |
| Fluorene | | ND | 250 | μg/Kg | | |
| 4-Nitroaniline | | ND | 500 | μg/Kg | | |
| 4,6-Dinitro-2-methy | iphenol | ND | 500 | μg/Kg | | |
| N-Nitrosodiphenyla | mine | ND | 250 | μg/Kg | | |
| 1,2-Diphenylhydraz | rine (as Azobe | ND | 250 | μg/Kg | | |
| 4-Bromophenyl phe | enyl ether | ND | 250 | μg/Kg | | |
| Hexachlorobenzene | е | ND | 250 | μg/Kg | | |
| Pentachlorophenol | | ND | 500 | μg/Kg | | |
| Phenanthrene | | ND | 250 | μg/Kg | | |
| Anthracene | | ND | 250 | μg/Kg | | |

Qualifiers:

Carbazole

Fluoranthene Pyrene

Di-n-butyl phthalate

Butyl benzyl phthalate

ND - Not Detected at the Reporting Limit

ND

ND

ND

ND

ND

250

250

250

250

250

µg/Kg

μg/Kg

μg/Kg

μg/Kg

μg/Kg

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

Date: 09-Jul-01

| CLIENT: | GEI Consulta | nts, Inc. | | | | | | | | QC SUMMA | RY REPORT |
|----------------------|-----------------------|-----------|-----|-------|------|---|------|----|-----|----------|--------------|
| Work Order: | 0106096 MDC-Canton | 00201 | | | | | | | | _ | Method Blank |
| Project: | WIDC-Califoli | 00291 | , | | | | | | | | |
| Bis(2-ethylhexyl)pl | nthalate | ND | 250 | μg/Kg | | | | | | | |
| 3,3'-Dichlorobenzi | dine | ND | 250 | μg/Kg | | | | | | | |
| Benz(a)anthracene | Э | ND | 250 | μg/Kg | | | | | | | |
| Chrysene | | ND | 250 | μg/Kg | | | | | | | |
| Di-n-octyl phthalate | е | ND | 250 | μg/Kg | | | | | | | |
| Benzo(b)fluoranthe | ene | ND | 250 | µg/Kg | | | | | | | |
| Benzo(k)fluoranthe | ene | ND | 250 | μg/Kg | | | | | | | |
| Benzo(a)pyrene | | ND | 250 | μg/Kg | | | | | | | |
| Dibenz(a,h)anthrac | cene | ND | 250 | μg/Kg | | | | | | | |
| Indeno(1,2,3-cd)py | rene | ND | 250 | μg/Kg | | | | | | | |
| Benzo(g,h,i)peryle | ne | ND | 250 | μg/Kg | | | | | | | |
| Surr: 2-Fluoroph | nenol | 1887 | 50 | μg/Kg | 3750 | 0 | 50.3 | 28 | 93 | 0 | |
| Surr: Phenol-d5 | | 2092 | 50 | μg/Kg | 3750 | 0 | 55.8 | 31 | 97 | 0 | |
| Surr: Nitrobenze | ene-d5 | 1416 | 50 | μg/Kg | 2500 | 0 | 56.6 | 32 | 95 | 0 | |
| Surr: 2-Fluorobij | phenyl | 1463 | 50 | μg/Kg | 2500 | 0 | 58.5 | 38 | 98 | 0 | |
| Surr: 2,4,6-Tribr | omophenol | 2365 | 50 | μg/Kg | 3750 | 0 | 63.1 | 34 | 114 | 0 | |
| Surr: 4-Terphen | yl-d14 | 1638 | 50 | μg/Kg | 2500 | 0 | 65.5 | 41 | 108 | 0 | |

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

Date: 09-Jul-01

QC SUMMARY REPORT

Sample Matrix Spike

| Sample ID 0106093-14CMS | Batch ID: 4740 | Test | Code: SW827 6 |)C Units: μ | g/Kg-dry | | Analysis [| Date 6/20/01 | 7:42:00 PM | Prep Date | e 6/19/01 | |
|----------------------------|----------------|-------|----------------------|--------------|--------------|------|------------|---------------------|-----------------|-----------|-----------|-----|
| Client ID: | | Run I | D: SV-4_0 | 10620A | | | SeqNo: | 137113 | | | | |
| | QC Sample | | | QC Spike Ori | ginal Sample | | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| Phenol | 2372 | 280 | μg/Kg-dry | 4206 | 0 | 56.4 | 32 | 89 | 0 | | | |
| 2-Chlorophenol | 2369 | 280 | μg/Kg-dry | 4206 | 0 | 56.3 | 36 | 90 | 0 | | | |
| 1,4-Dichlorobenzene | 1688 | 280 | μg/Kg-dry | 2804 | 236.2 | 51.8 | 29 | 84 | 0 | | | |
| N-Nitrosodi-n-propylamine | 1537 | 280 | μg/Kg-dry | 2804 | 0 | 54.8 | 36 | 90 | 0 | | | |
| 4-Chloro-3-methylphenol | 2609 | 560 | µg/Kg-dry | 4206 | 0 | 62 | 37 | 104 | 0 | | | |
| 4-Nitrophenol | 3504 | 560 | μg/Kg-dry | 4206 | 0 | 83.3 | 33 | 116 | 0 | | | |
| Acenaphthene | 1671 | 280 | μg/Kg-dry | 2804 | 0 | 59.6 | 36 | 110 | 0 | | | |
| 2,4-Dinitrotoluene | 1480 | 280 | µg/Kg-dry | 2804 | 0 | 52.8 | 28 | 105 | 0 | | | |
| Pentachlorophenol | 2676 | 560 | μg/Kg-dry | 4206 | 0 | 63.6 | 22 | 112 | 0 | | | |
| Pyrene | 1700 | 280 | μg/Kg-dry | 2804 | 170.3 | 54.5 | 23 | 123 | 0 | | | |
| Surr: 2-Fluorophenol | 2526 | 56 | μg/Kg-dry | 4206 | 0 | 60.1 | 28 | 93 | 0 | | | |
| Surr: Phenol-d5 | 2697 | 56 | µg/Kg-dry | 4206 | 0 | 64.1 | 31 | 97 | 0 | | | |
| Surr: Nitrobenzene-d5 | 1835 | 56 | μg/Kg-dry | 2804 | 0 | 65.4 | 32 | 95 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 1941 | 56 | μg/Kg-dry | 2804 | 0 | 69.2 | 38 | 98 | 0 | | | |
| Surr: 2,4,6-Tribromophenol | 3309 | 56 | µg/Kg-dry | 4206 | 0 | 78.7 | 34 | 114 | 0 | | | |
| Surr: 4-Terphenyl-d14 | 1889 | 56 | µg/Kg-dry | 2804 | 0 | 67.4 | 41 | 108 | 0 | | | |

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - $Reporting\ Limit;$ defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

QC SUMMARY REPORT

Date: 09-Jul-01

Sample Matrix Spike Duplicate

| Sample ID 0106093-14CMSD | Batch ID: 4740 | Test Code: SW8270C Units: µg/Kg-dry Run ID: SV-4_010620A | | | | | Analysis I | Date 6/20/01 | Prep Date 6/19/01 | | | |
|----------------------------|----------------|--|-----------|--------------|--------------|------|------------|---------------------|-------------------|------|----------|-----|
| Client ID: | | | | | | | SeqNo: | 137114 | | | | |
| | QC Sample | | | QC Spike Ori | ginal Sample | 1 | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| Phenol | 1496 | 280 | μg/Kg-dry | 4200 | 0 | 35.6 | 32 | 89 | 2372 | 45.3 | 35 | R |
| 2-Chlorophenol | 1454 | 280 | μg/Kg-dry | 4200 | 0 | 34.6 | 36 | 90 | 2369 | 47.9 | 50 | s |
| 1,4-Dichlorobenzene | 1082 | 280 | μg/Kg-dry | 2800 | 236.2 | 30.2 | 29 | 84 | 1688 | 43.7 | 27 | R |
| N-Nitrosodi-n-propylamine | 1014 | 280 | μg/Kg-dry | 2800 | 0 | 36.2 | 36 | 90 | 1537 | 41 | 38 | R |
| 4-Chloro-3-methylphenol | 1674 | 560 | μg/Kg-dry | 4200 | 0 | 39.9 | 37 | 104 | 2609 | 43.7 | 33 | R |
| 4-Nitrophenol | 2212 | 560 | μg/Kg-dry | 4200 | 0 | 52.7 | 33 | 116 | 3504 | 45.2 | 50 | |
| Acenaphthene | 1097 | 280 | μg/Kg-dry | 2800 | 0 | 39.2 | 36 | 110 | 1671 | 41.5 | 19 | R |
| 2,4-Dinitrotoluene | 986.1 | 280 | μg/Kg-dry | 2800 | 0 | 35.2 | 28 | 105 | 1480 | 40.1 | 47 | |
| Pentachlorophenol | 1727 | 560 | μg/Kg-dry | 4200 | 0 | 41.1 | 22 | 112 | 2676 | 43.1 | 47 | |
| Pyrene | 1264 | 280 | μg/Kg-dry | 2800 | 170.3 | 39.1 | 23 | 123 | 1700 | 29.4 | 36 | |
| Surr: 2-Fluorophenol | 1509 | 56 | μg/Kg-dry | 4200 | 0 | 35.9 | 28 | 93 | 0 | 0 | 0 | |
| Surr: Phenol-d5 | 1598 | 56 | μg/Kg-dry | 4200 | 0 | 38.1 | 31 | 97 | 0 | 0 | 0 | |
| Surr: Nitrobenzene-d5 | 1119 | 56 | μg/Kg-dry | 2800 | 0 | 40 | 32 | 95 | 0 | 0 | 0 | |
| Surr: 2-Fluorobiphenyl | 1169 | 56 | μg/Kg-dry | 2800 | 0 | 41.8 | 38 | 98 | 0 | 0 | 0 | |
| Surr: 2,4,6-Tribromophenol | 2043 | 56 | μg/Kg-dry | 4200 | 0 | 48.7 | 34 | 114 | 0 | 0 | 0 | |
| Surr: 4-Terphenyl-d14 | 1195 | 56 | μg/Kg-dry | 2800 | 0 | 42.7 | 41 | 108 | 0 | 0 | 0 | |

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

Date: 09-Jul-01

QC SUMMARY REPORT

Sample Matrix Spike

| Sample ID 0106093-14CMS | Batch ID: 4740 | Test Code: SW8270C Units: μg/Kg-dry | | | | | Analysis I | Date 6/21/01 | 8:30:00 PM | Prep Date 6/19/01 | | |
|--|---------------------------------|-------------------------------------|--------------------|-----------|-----------|------|----------------------|------------------------|-----------------------------|-------------------|--------------------|-----|
| Client ID: | | Run I | D: SV-4_0 | 10621A | | | SeqNo: | 137048 | | C | F=5 | |
| | QC Sample | QC Spike Original Sample | | | | (| Original Sample | 01-5 | | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| 1,2,4-Trichlorobenzene | 16140 | 1,400 | μg/Kg-dry | 2804 | 12230 | 140 | 34 | 95 | 0 | | | s |
| | | | | | | | | | | | | |
| Sample ID 0106093-14CMSD | Batch ID: 4740 | Test (| Code: SW827 | 0C Units: | µg/Kg-dry | | Analysis I | Date 6/21/01 | 8:56:00 PM | Prep Date | e 6/19/01 | - |
| Sample ID 0106093-14CMSD Client ID: | Batch ID: 4740 | Test (| | | µg/Kg-dry | | Analysis I SeqNo: | Date 6/21/01 137049 | 8:56:00 PM | • | | |
| • | Batch ID: 4740 QC Sample | | | | | , | • | 137049 | 8:56:00 PM Original Sample | • | e 6/19/01 DF= 5 | |
| • | | | | 10621A | | | • | 137049 | | • | | Qua |

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

QC SUMMARY REPORT

Laboratory Control Spike

Date: 09-Jul-01

| Sample ID LCS-4740 | Batch ID: 4740 | Test Code: SW8270C Units: µg/Kg | | | | | Analysis [| Date 6/20/01 | Prep Date 6/19/01 | | | |
|----------------------------|----------------|---------------------------------|--------|--------------|--------|------|---------------|--------------|-------------------|------|----------|-----|
| Client ID: | | Run ID: | SV-4_0 | SV-4_010620A | | | SeqNo: 136836 | | | | | |
| | QC Sample | QC Spike Original Sample | | | | | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| Phenol | 730.5 | 250 | μg/Kg | 2500 | 0 | 29.2 | 35 | 92 | 0 | | | s |
| 2-Chlorophenol | 669.5 | 250 | μg/Kg | 2500 | 0 | 26.8 | 41 | 91 | 0 | | | s |
| 1,4-Dichlorobenzene | 551.5 | 250 | μg/Kg | 2500 | 0 | 22.1 | 38 | 85 | 0 | | | s |
| N-Nitrosodi-n-propylamine | 817.5 | 250 | μg/Kg | 2500 | 0 | 32.7 | 40 | 94 | 0 | | | S |
| 1,2,4-Trichlorobenzene | 695 | 250 | μg/Kg | 2500 | 0 | 27.8 | 41 | 95 | 0 | | | S |
| 4-Chloro-3-methylphenol | 1179 | 500 | μg/Kg | 2500 | 0 | 47.2 | 41 | 95 | 0 | | | |
| 4-Nitrophenol | 1362 | 500 | μg/Kg | 2500 | 0 | 54.5 | 42 | 118 | 0 | | | |
| Acenaphthene | 1134 | 250 | μg/Kg | 2500 | 0 | 45.3 | 44 | 98 | 0 | | | |
| 2,4-Dinitrotoluene | 1384 | 250 | µg/Kg | 2500 | 0 | 55.4 | 45 | 105 | 0 | | | |
| Pentachlorophenol | 953 | 500 | μg/Kg | 2500 | 0 | 38.1 | 36 | 102 | 0 | | | |
| Pyrene | 1415 | 250 | μg/Kg | 2500 | 0 | 56.6 | 43 | 106 | 0 | | | |
| Surr: 2-Fluorophenol | 992 | 50 | μg/Kg | 3750 | 0 | 26.5 | 28 | 93 | 0 | | | s |
| Surr: Phenol-d5 | 1262 | 50 | μg/Kg | 3750 | 0 | 33.7 | 31 | 97 | 0 | | | |
| Surr: Nitrobenzene-d5 | 804.5 | 50 | μg/Kg | 2500 | 0 | 32.2 | 32 | 95 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 1048 | 50 | μg/Kg | 2500 | 0 | 41.9 | 38 | 98 | 0 | | | |
| Surr: 2,4,6-Tribromophenol | 2296 | 50 | μg/Kg | 3750 | 0 | 61.2 | 34 | 114 | 0 | | | |
| Surr: 4-Terphenyl-d14 | 1559 | 50 | μg/Kg | 2500 | 0 | 62.4 | 41 | 108 | 0 | | | |

Caualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

Date: 05-Jul-01

EXTRACTABLE PETROLEUM HYDROCARBONS Analyses Lab ID: Project: Lab Order: CLIENT: C11-C22 Aromatic Hydrocarbons C19-C36 Aliphatic Hydrocarbons C9-C18 Aliphatic Hydrocarbons Surr: o-Terphenyl Surr: 2-Fluorobiphenyl Surr: 2-Bromonaphthalene Surr: 1-Chlorooctadecane 0106096-16B MDC-Canton 00291 0106096 GEI Consultants, Inc. Result 83.4 98.4 99.9 89.1 ₽ R B MAEPH 40-140 40-140 40-140 40-140 R 57 57 57 Qual Units Client Sample ID: **Collection Date:** %REC %REC %REC %REC mg/Kg-dry mg/Kg-dry mg/Kg-dry Tag Number: Matrix: SOIL 6/7/01 _ _ _ _ _ 00291-SS42 6/20/01 11:30:00 PM Date Analyzed Analyst: RKK

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

Were all performance/acceptance standards for required QA/QC procedures achieved: Yes

No - If No, See Case Narrative No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3:

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. l No Yes - Details enclosed

SIGNATURE: DATE: アク

POSITION: Laboratory Director (or designee)

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

PRINTED NAME: Nancy Stewart

ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits # - See Case Narrative E - Value above quantitation range

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

Date: 05-Jul-01

EXTRACTABLE PETROLEUM HYDROCARBONS Project: CLIENT: Analyses Lab ID: Lab Order: C11-C22 Aromatic Hydrocarbons C19-C36 Aliphatic Hydrocarbons C9-C18 Aliphatic Hydrocarbons 0106096-17B MDC-Canton 00291 0106096 GEI Consultants, Inc. Result R R N MAEPH RL 54 54 54 Qual Units Client Sample ID: Collection Date: mg/Kg-dry mg/Kg-dry mg/Kg-dry Tag Number: Matrix: SOIL 6/7/01 _ _ _ _ _ _ DF 00291-SS49 6/21/01 12:05:00 AM 6/21/01 12:05:00 AM 6/21/01 12:05:00 AM Date Analyzed Analyst: RKK

Surr: o-Terphenyl Surr: 2-Fluorobiphenyl Surr: 2-Bromonaphthalene Surr: 1-Chlorooctadecane

79.2 119 120

40-140 40-140 40-140 40-140

%REC %REC

6/21/01 12:05:00 AM 6/21/01 12:05:00 AM 6/21/01 12:05:00 AM 6/21/01 12:05:00 AM

84. 1

%REC %REC

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

Were all performance/acceptance standards for required QA/QC procedures achieved:

Yes

Yes

No - If No, See Case Narrative No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3:

I No Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

PRINTED NAME: Nancy Stewart

SIGNATURE:

DATE: P5-4

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit R - RPD outside accepted recovery limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded # - See Case Narrative

Date: 05-Jul-01

Project: **EXTRACTABLE PETROLEUM HYDROCARBONS** CLIENT: Analyses Lab ID: Lab Order: C19-C36 Aliphatic Hydrocarbons C11-C22 Aromatic Hydrocarbons C9-C18 Aliphatic Hydrocarbons Surr: o-Terphenyl Surr: 2-Fluorobiphenyl Surr: 2-Bromonaphthalene Surr: 1-Chlorooctadecane 0106096-18B MDC-Canton 00291 0106096 GEI Consultants, Inc. Result 78.6 111 116 100 B Ŗ R MAEPH 40-140 40-140 40-140 40-140 RL 57 57 Qual Client Sample ID: Units Collection Date: %REC %REC %REC mg/Kg-dry %REC mg/Kg-dry mg/Kg-dry Tag Number: Matrix: SOIL 6/7/01 DF 00291-SS50 6/21/01 6/21/01 12:39:00 AM 6/21/01 12:39:00 AM 6/21/01 6/21/01 12:39:00 AM 6/21/01 12:39:00 AM 6/21/01 12:39:00 AM **Date Analyzed** 12:39:00 AM 12:39:00 AM Analyst: RKK

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

Were all performance/acceptance standards for required QA/QC procedures achieved:

Yes

No - If No, See Case Narrative No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3:

Were any significant modifications made to the method as specified in section 11.3: _____ No ____ Yes - Details enclosed I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. Yes - Details enclosed

PRINTED NAME: Nancy Stewart SIGNATURE: DATE: アンカ

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit

R - RPD outside accepted recovery limits S - Spike Recovery outside accepted recovery limits

- See Case Narrative E - Value above quantitation range

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

Date: 05-Jul-01

CLIENT: Analyses Lab ID: Project: Lab Order: 0106096-19B MDC-Canton 00291 0106096 GEI Consultants, Inc. Result Qual Units Client Sample ID: **Collection Date:** Tag Number: Matrix: SOIL 6/7/01 H 00291-SS51 Date Analyzed

| EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH | MAEPH | | | Analyst: RKK |
|--|----------|-------------|----------|--|
| C9-C18 Aliphatic Hydrocarbons ND | 7 | 2 mg/Kg-dry | <u> </u> | 6/21/01 1:14:00 AM |
| C19-C36 Aliphatic Hydrocarbons | 7 | 2 mg/Kg-dry | _ | 6/21/01 1:14:00 AM |
| C11-C22 Aromatic Hydrocarbons | 7. | 2 mg/Kg-dry | _ | 6/21/01 1:14:00 AM |
| Surr: 1-Chlorooctadecane 67.4 | | | _ | 6/21/01 1:14:00 AM |
| Surr: 2-Bromonaphthalene 11 | 1 40-14 | 0 %REC | <u> </u> | 6/21/01 1:14:00 AM |
| Surr: 2-Fluorobiphenyl 118 | | 0 %REC | _ | 6/21/01 1:14:00 AM |
| Surr: o-Terphenyl 65.3 | 3 40-140 | 0 %REC | _ | 6/21/01 1:14:00 AM |
| Ø | | | | 6/21/01 1:14:00 AM 6/21/01 1:14:00 AM 6/21/01 1:14:00 AM 6/21/01 1:14:00 AM 6/21/01 1:14:00 AM |

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

Were all performance/acceptance standards for required QA/QC procedures achieved: Yes Yes

No - If No, See Case Narrative No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3:

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. . | S Yes - Details enclosed

PRINTED NAME: Nancy Stewart SIGNATURE: DATE: 120

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit R - RPD outside accepted recovery limits S - Spike Recovery outside accepted recovery limits

- See Case Narrative E - Value above quantitation range

POSITION: Laboratory Director (or designee)

H - Method prescribed holding time exceeded

B - Analyte detected in the associated Method Blank

Date: 05-Jul-01

CLIENT: **EXTRACTABLE PETROLEUM HYDROCARBONS** Lab ID: Project: Analyses Lab Order: C11-C22 Aromatic Hydrocarbons C19-C36 Aliphatic Hydrocarbons C9-C18 Aliphatic Hydrocarbons Surr: 2-Fluorobiphenyl Surr: 2-Bromonaphthalene Surr: o-Terphenyl Surr: 1-Chlorooctadecane 0106096-20B MDC-Canton 00291 0106096 GEI Consultants, Inc. Result 79.1 123 123 R 8 8 MAEPH 40-140 40-140 40-140 40-140 RL57 57 Qual Units Client Sample ID: **Collection Date:** %REC %REC %REC %REC mg/Kg-dry mg/Kg-dry mg/Kg-dry Tag Number: Matrix: SOIL 6/7/01 **→ → →** DF 00291-SS52 6/21/01 1:48:00 AM **Date Analyzed** Analyst: RKK

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

Were all performance/acceptance standards for required QA/QC procedures achieved:

No - If No, See Case Narrative No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: Yes

I No Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. 1-29

DATE:

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. PRINTED NAME: Nancy Stewart

SIGNATURE:

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits # - See Case Narrative E - Value above quantitation range

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

H - Method prescribed holding time exceeded

Date: 05-Jul-01

EXTRACTABLE PETROLEUM HYDROCARBONS Analyses Lab ID: Project: Lab Order: CLIENT: C9-C18 Aliphatic Hydrocarbons C11-C22 Aromatic Hydrocarbons C19-C36 Aliphatic Hydrocarbons Surr: o-Terphenyl Surr: 2-Fluorobiphenyl Surr: 2-Bromonaphthalene Surr: 1-Chlorooctadecane 0106096-21B MDC-Canton 00291 0106096 GEI Consultants, Inc Result 61.8 73.8 110 109 $\frac{8}{6}$ 8 8 MAEPH 40-140 40-140 40-140 40-140 150 150 150 RL Qual Client Sample ID: Units Collection Date: %REC %REC %REC %REC mg/Kg-dry mg/Kg-dry mg/Kg-dry Tag Number: Matrix: SOIL 6/7/01 _ _ _ DF 00291-SS53 6/21/01 2:23:00 AM Date Analyzed Analyst: RKK

centration of target analytes eluting in this range. C9-C12 Alipha this range and concentration of C9-C10 Aromatic Hydrocarbons. Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

Were all performance/acceptance standards for required QA/QC procedures achieved: Yes

Were any significant modifications made to the method as specified in section 11.3: I No K Yes - Details enclosed

No - If No, See Case Narrative No - If No, See Case Narrative

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: PRINTED NAME: Nancy Stewart DATE: POSITION: Laboratory Director (or designee) アント

ND - Not Detected at the Reporting Limit Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits S - Spike Recovery outside accepted recovery limits

H - Method prescribed holding time exceeded

E - Value above quantitation range

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project: MDC-Canton 00291

QC SUMMARY REPORT

Date: 09-Jul-01

Method Blank

| Sample ID MB-4704 | Batch ID: 4704 | Test Cod | de: MAEPH | Units: n | ng/Kg | | Analysis [| Date 6/20/01 | 5:39:00 PM | Prep Date | e 6/14/01 | |
|--------------------------------|----------------|----------|-----------|---------------|--------------|------|------------|---------------------|-----------------|-----------|-----------|-----|
| Client ID: | | Run ID: | SV-1_01 | 10620A | | | SeqNo: | 137251 | | | | |
| | QC Sample | | | QC Spike Orig | ginal Sample |) | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| C9-C18 Aliphatic Hydrocarbons | ND | 50 | mg/Kg | | | | | | | | | |
| C19-C36 Aliphatic Hydrocarbons | ND | 50 | mg/Kg | | | | | | | | | |
| C11-C22 Aromatic Hydrocarbons | ND | 50 | mg/Kg | | | | | | | | | |
| Surr: 1-Chlorooctadecane | 0.94 | 0.25 | mg/Kg | 1 | 0 | 94 | 40 | 140 | 0 | | | |
| Surr: 2-Bromonaphthalene | 5.438 | 0.25 | mg/Kg | 5 | 0 | 109 | 40 | 140 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 5.054 | 0.25 | mg/Kg | 5 | 0 | 101 | 40 | 140 | 0 | | | |
| Surr: o-Terphenyl | 0.8912 | 0.25 | mg/Kg | 1 | 0 | 89.1 | 40 | 140 | 0 | | | |

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

QC SUMMARY REPORT

Date: 09-Jul-01

Sample Matrix Spike

| Sample ID 0106114-01AMS | Batch ID: 4704 | Test | Code: MAEPH | Units: n | ng/Kg-dry | | Analysis I | Date 6/20/01 | 7:25:00 PM | Prep Date | e 6/14/01 | |
|--------------------------|----------------|------|--------------|---------------|--------------|------|------------|--------------|-----------------|-----------|-----------------|-----|
| Client ID: | | Run | ID: SV-1_010 | 0620A | | | SeqNo: | 141358 | | | | |
| | QC Sample | | | QC Spike Orig | ginal Sample |) | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| n-Eicosane | 1.407 | 0.30 | mg/Kg-dry | 1.504 | 0 | 93.6 | 40 | 140 | 0 | | | |
| n-Nonadecane | 1.564 | 0.30 | mg/Kg-dry | 1.504 | 0 | 104 | 40 | 140 | 0 | | | |
| n-Nonane | 1.284 | 0.30 | mg/Kg-dry | 1.504 | 0 | 85.4 | 40 | 140 | 0 | | | |
| n-Octacosane | 1.466 | 0.30 | mg/Kg-dry | 1.504 | 0 | 97.5 | 40 | 140 | 0 | | | |
| n-Tetradecane | 1.762 | 0.30 | mg/Kg-dry | 1.504 | 0 | 117 | 40 | 140 | 0 | | | |
| Naphthalene | 1.64 | 0.30 | mg/Kg-dry | 1.504 | 0 | 109 | 40 | 140 | 0 | | | |
| Acenaphthene | 1.729 | 0.30 | mg/Kg-dry | 1.504 | 0 | 115 | 40 | 140 | 0 | | | |
| Anthracene | 1.929 | 0.30 | mg/Kg-dry | 1.504 | 0 | 128 | 40 | 140 | 0 | | | |
| Pyrene | 3.132 | 0.30 | mg/Kg-dry | 1.504 | 0 | 208 | 40 | 140 | 0 | | | s |
| Chrysene | 2.084 | 0.30 | mg/Kg-dry | 1.504 | 0 | 139 | 40 | 140 | 0 | | | |
| Surr: 1-Chlorooctadecane | 1.033 | 0.30 | mg/Kg-dry | 1.203 | 0 | 85.9 | 40 | 140 | 0 | | | |
| Surr: 2-Bromonaphthalene | 7.527 | 0.30 | mg/Kg-dry | 6.014 | 0 | 125 | 40 | 140 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 7.461 | 0.30 | mg/Kg-dry | 6.014 | 0 | 124 | 40 | 140 | 0 | | | |
| Surr: o-Terphenyl | 1.054 | 0.30 | mg/Kg-dry | 1.203 | 0 | 87.6 | 40 | 140 | 0 | | | |

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

Date: 09-Jul-01

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

QC SUMMARY REPORT

Sample Duplicate

| Sample ID 0106112-01BDUP | Batch ID: 4704 | Test | Code: MAEPH | Units: n | ng/Kg-dry | | Analysis [| Date 6/20/01 | 8:36:00 PM | Prep Date | e 6/14/01 | |
|--------------------------------|----------------|------|-------------|---------------|--------------|----------|------------|--------------|-----------------|-----------|-----------|-----|
| Client ID: | | Run | ID: SV-1_01 | 0620A | | | SeqNo: | 137256 | | | | |
| | QC Sample | | | QC Spike Orig | ginal Sample | ! | | • | Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| C9-C18 Aliphatic Hydrocarbons | ND | 52 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| C19-C36 Aliphatic Hydrocarbons | ND | 52 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| C11-C22 Aromatic Hydrocarbons | ND | 52 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| Surr: 1-Chlorooctadecane | 0.9351 | 0.26 | mg/Kg-dry | 1.036 | 0 | 90.2 | 40 | 140 | 0 | . 0 | 0 | |
| Surr: 2-Bromonaphthalene | 6.002 | 0.26 | mg/Kg-dry | 5.181 | 0 | 116 | 40 | 140 | 0 | 0 | 0 | |
| Surr: 2-Fluorobiphenyl | 5.874 | 0.26 | mg/Kg-dry | 5.181 | 0 | 113 | 40 | 140 | 0 | 0 | 0 | |
| Surr: o-Terphenyl | 0.8082 | 0.26 | mg/Kg-dry | 1.036 | 0 | 78 | 40 | 140 | 0 | 0 | 0 | |

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

Date: 09-Jul-01

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

QC SUMMARY REPORT

Laboratory Control Spike

| Sample ID LCS-4704 | Batch ID: 4704 | Test Cod | e: MAEPH | Units:∖ n | ng/Kg | | Analysis I | Date 6/20/01 | 6:15:00 PM | Prep Dat | e 6/14/01 | |
|--------------------------|----------------|----------|----------|---------------|--------------|----------|------------|--------------|-----------------|----------|-----------|-----|
| Client ID: | | Run ID: | SV-1_01 | 0620A | | | SeqNo: | 137252 | | • | | |
| | QC Sample | | | QC Spike Orig | jinal Sample | ! | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qüa |
| n-Eicosane | 1.285 | 0.25 | mg/Kg | 1.25 | 0 | 103 | 40 | 140 | 0 | | 1// | |
| n-Nonadecane | 1.194 | 0.25 | mg/Kg | 1.25 | 0 | 95.5 | 40 | 140 | 0 | | | |
| n-Nonane | 0.905 | 0.25 | mg/Kg | 1.25 | 0 | 72.4 | 40 | 140 | 0 | | | |
| n-Octacosane | 1.502 | 0.25 | mg/Kg | 1.25 | 0 | 120 | 40 | 140 | 0 | | | |
| n-Tetradecane | 1.181 | 0.25 | mg/Kg | 1.25 | 0 | 94.5 | 40 | 140 | 0 | | | |
| Naphthalene | 1.036 | 0.25 | mg/Kg | 1.25 | 0 | 82.9 | 40 | 140 | 0 | | | |
| Acenaphthene | 1.038 | 0.25 | mg/Kg | 1.25 | 0 | 83 | 40 | 140 | 0 | | | |
| Anthracene | 1.076 | 0.25 | mg/Kg | 1.25 | 0 | 86.1 | 40 | 140 | 0 | | | |
| Pyrene | 1.055 | 0.25 | mg/Kg | 1.25 | 0 | 84.4 | 40 | 140 | 0 | | | |
| Chrysene | 1.068 | 0.25 | mg/Kg | 1.25 | 0 | 85.4 | 40 | 140 | 0 | | | |
| Surr: 1-Chlorooctadecane | 1.059 | 0.25 | mg/Kg | 1 | 0 | 106 | 40 | 140 | 0 | | | |
| Surr: 2-Bromonaphthalene | 5.22 | 0.25 | mg/Kg | 5 | 0 | 104 | 40 | 140 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 5.178 | 0.25 | mg/Kg | 5 | 0 | 104 | 40 | 140 | 0 | | | |
| Surr: o-Terphenyl | 0.8638 | 0.25 | mg/Kg | 1 | 0 | 86.4 | 40 | 140 | 0 | | | |

A Training

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

Date: 05-Jul-01

GEI Consultants, Inc. 0106096 Client Sample ID: 00291-SW2

| CLIENT: | GEI Consultants, Inc. | | | Client Sample ID: 00291-SW2 | 00291 | -SW2 |
|----------------------------|-----------------------|--------|--------|-----------------------------|----------|---------------------|
| Project: | MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | |
| Lab ID: | 0106096-15A | | | Matrix: AQUEOUS | AQUE | SOUS |
| Analyses | | Result | RL (| RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | N | 0.21 | µg/L | <u> </u> | 6/14/01 7:12:00 PM |
| Aroclor 1221 | | N | 0.21 | µg/L | _ | 6/14/01 7:12:00 PM |
| Aroclor 1232 | | N D | 0.21 | µg/L | _ | 6/14/01 7:12:00 PM |
| Aroclor 1242 | | ND | 0.21 | µg/L | <u></u> | 6/14/01 7:12:00 PM |
| Aroclor 1248 | | ND | 0.21 | µg/L | _ | 6/14/01 7:12:00 PM |
| Aroclor 1254 | | ND | 0.21 | µg/L | → | 6/14/01 7:12:00 PM |
| Aroclor 1260 | | ND | 0.21 | µg/L | _ | 6/14/01 7:12:00 PM |
| Surr: Decachlorobiphenyl | orobiphenyl | 47.5 | 25-124 | %REC | _ | 6/14/01 7:12:00 PM |
| Surr: Tetrachloro-m-xylene | oro-m-xylene | 66.6 | 34-113 | %REC | <u> </u> | 6/14/01 7:12:00 PM |
| | | | | | | |

| | | | | Qualifiers: |
|--|---|---|--|---|
| RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate | H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| e laboratory can accurately quantitate. | # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

Date: 09-Jul-01

QC SUMMARY REPORT

Method Blank

| Sample ID MB-4695 | Batch ID: 4695 | Test Code | : SW8082 | Units: μ | g/L | | Analysis I | Date 6/14/01 | 5:52:00 PM | Prep Date | e 6/13/01 | |
|----------------------------|----------------|-----------|----------|---------------|-------------|------|------------|--------------|-----------------|-----------|-----------|-----|
| Client ID: | | Run ID: | GC-ELVI | S_010614A | | | SeqNo: | 135113 | | | | |
| | QC Sample | | | QC Spike Orig | inal Sample | | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| Aroclor 1016 | ND | 0.20 | μg/L | | | | | | | | | |
| Aroclor 1221 | ND | 0.20 | μg/L | | | | | | | | | |
| Aroclor 1232 | ND | 0.20 | μg/L | | | | | | | | | |
| Aroclor 1242 | ND | 0.20 | μg/L | | | | | | | | | |
| Aroclor 1248 | ND | 0.20 | μg/L | | | | | | | | | |
| Aroclor 1254 | ND | 0.20 | μg/L | | | | | | | | | |
| Aroclor 1260 | 0.2446 | 0.20 | μg/L | | | | | | | | | |
| Surr: Decachlorobiphenyl | 0.03203 | 0 | μg/L | 0.064 | 0 | 50 | 25 | 124 | 0 | | | |
| Surr: Tetrachloro-m-xylene | 0.02886 | 0 | μg/L | 0.064 | 0 | 45.1 | 34 | 113 | 0 | | | |

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

Date: 09-Jul-01

QC SUMMARY REPORT

Laboratory Control Spike

| Sample ID LCS-4695 | Batch ID: 4695 | Test Code | SW8082 | Units: μ | g/L | | Analysis I | Date 6/14/01 | 6:18:00 PM | Prep Date | 6/13/01 | |
|----------------------------|-----------------------|--------------|--------------|---------------|--------------|--------------|------------|--------------|-----------------|--------------|----------|-----|
| Client ID: | | Run ID: | GC-ELVI | S_010614A | | | SeqNo: | 135114 | | | | |
| | QC Sample | | | QC Spike Orig | ginal Sample | ; | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| Aroclor 1016 | 3.355 | 0.20 | μg/L | 4 | 0 | 83.9 | 52 | 123 | 0 | | | |
| Aroclor 1260 | 3.615 | 0.20 | μg/L | 4 | 0.2446 | 84.3 | 54 | 129 | 0 | | | В |
| Surr: Decachlorobiphenyl | 0.04818 | 0 | μg/L | 0.064 | 0 | 75.3 | 25 | 124 | 0 | | | |
| Surr: Tetrachloro-m-xylene | 0.04655 | 0 | µg/L | 0.064 | 0 | 72.7 | 34 | 113 | 0 | | | |
| Sample ID LCSD-4695 | Batch ID: 4695 | Test Code | SW8082 | Units: μ | g/L | | Analysis [| Date 6/14/01 | 6:45:00 PM | Prep Date | 6/13/01 | |
| Client ID: | | Run ID: | GC-ELVI | S_010614A | | | SeqNo: | 135115 | | | | |
| | QC Sample | | | QC Spike Orig | ginal Sample | | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| 7 dialyto | | | | | | | | | | | | |
| Aroclor 1016 | 3.398 | 0.20 | μg/L | 4 | 0 | 84.9 | 52 | 123 | 3.355 | 1.26 | 50 | |
| | | 0.20 0.20 | μg/L μg/L | 4 | 0 0.2446 | 84.9 92.8 | 52 54 | 123 129 | 3.355 3.615 | 1.26 9.03 | 50 50 | В |
| Aroclor 1016 | 3.398 | | | | = | | | | | - | | В |

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

Date: 05-Jul-01

| CLIENT: | GEI Consultants, Inc. | | | Client Sample ID: 00291-SS34 | 00291 | -SS34 |
|----------------------------|-----------------------|--------|--------|------------------------------|--------|---------------------|
| Lab Order: | 0106096 | | | : | | |
| Project: | MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | |
| Lab ID: | 0106096-01A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL (| RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | N | 280 | μg/Kg-dry | 10 | 7/3/01 1:40:00 PM |
| Aroclor 1221 | | ND | 280 | μg/Kg-dry | 10 | 7/3/01 1:40:00 PM |
| Aroclor 1232 | | ND | 280 | µg/Kg-dry | 10 | 7/3/01 1:40:00 PM |
| Aroclor 1242 | | ND | 280 | μg/Kg-dry | 10 | 7/3/01 1:40:00 PM |
| Aroclor 1248 | | ND | 280 | μg/Kg-dry | 10 | 7/3/01 1:40:00 PM |
| Aroclor 1254 | | ND | 280 | µg/Kg-dry | 10 | 7/3/01 1:40:00 PM |
| Aroclor 1260 | | 380 | 280 | μg/Kg-dry | 10 | 7/3/01 1:40:00 PM |
| Surr: Tetrachloro-m-xylene | oro-m-xylene | 73.3 | 43-117 | %REC | 10 | 7/3/01 1:40:00 PM |
| Surr: Decachlorobiphenyl | orobiphenyl | 67.9 | 20-134 | %REC | 10 | 7/3/01 1:40:00 PM |
| | | | | | | |

| | Qualifiers: |
|--|---|
| J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

epted recovery limits

E - Value above quantitation range
- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

H - Method prescribed holding time exceeded B - Analyte detected in the associated Method Blank

Date: 05-Jul-01

Lab ID: PCBS BY EPA8082 Project: CLIENT: Analyses Lab Order: Aroclor 1248 Aroclor 1242 Aroclor 1232 Aroclor 1221 Aroclor 1016 Aroclor 1260 Aroclor 1254 Surr: Decachlorobiphenyl Surr: Tetrachloro-m-xylene 0106096-02A MDC-Canton 00291 0106096 GEI Consultants, Inc. Result 55.7 56.1 R 8 8 SW8082 20-134 43-117 280 280 280 280 280 280 280 RL Qual Client Sample ID: 00291-SS35 μg/Kg-dry μg/Kg-dry μg/Kg-dry Units **Collection Date:** μg/Kg-dry %REC %REC μg/Kg-dry μg/Kg-dry µg/Kg-dry Matrix: SOIL 6/7/01 DF 7/3/01 2:07:00 PM Date Analyzed Analyst: RAP

| B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | Qualifiers: ND - Not Detected at the Reporting Limit |
|---|--|--|
| I Method Blank E - Value above quantitation range | on limits R - RPD outside accepted recovery limits | imit S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

| CLIENT: | GEI Consultants, Inc. | | | Client Sample ID: 00291-SS36 | 00291- | .SS36 |
|----------------------------|-----------------------|--------|--------|------------------------------|--------|-------------------|
| Lab Order: | 0106096 | | | | | |
| Project: | MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | |
| Lab ID: | 0106096-03A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL Q | RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | ND | 260 | µg/Kg-dry | 6 | 7/3/01 2:34:00 PM |
| Aroclor 1221 | | N | 260 | μg/Kg-dry | 6 | 7/3/01 2:34:00 PM |
| Aroclor 1232 | | N D | 260 | μg/Kg-dry | 10 | 7/3/01 2:34:00 PM |
| Aroclor 1242 | | N D | 260 | μg/Kg-dry | 10 | 7/3/01 2:34:00 PM |
| Aroclor 1248 | | N D | 260 | μg/Kg-dry | 10 | 7/3/01 2:34:00 PM |
| Aroclor 1254 | | N D | 260 | μg/Kg-dry | 10 | 7/3/01 2:34:00 PM |
| Aroclor 1260 | | ND | 260 | μg/Kg-dry | 10 | 7/3/01 2:34:00 PM |
| Surr: Tetrachloro-m-xylene | oro-m-xylene | 65.4 | 43-117 | %REC | 10 | 7/3/01 2:34:00 PM |
| Surr: Decachlorobiphenyl | probiphenyl | 61.4 | 20-134 | %REC | 6 | 7/3/01 2:34:00 PM |
| | | | | | | |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

| | | | , | | | | |
|----------------------------|-----------------------|--------|--------|------|------------------------------|----------------|---------------------|
| CLIENT: | GEI Consultants, Inc. | | | | Client Sample ID: 00291-SS37 | 00291 | 1-SS37 |
| Lab Order: | 0106096 | | | | | | |
| Project: | MDC-Canton 00291 | | | | Collection Date: 6/7/01 | 6/7/0] | 1 |
| Lab ID: | 0106096-04A | | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL | Qual | RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 1082 | S | SW8082 | | | | Analyst: RAP |
| Aroclor 1016 | | ND | 320 | | µg/Kg-dry | 10 | 7/3/01 3:00:00 PM |
| Aroclor 1221 | | ND | 320 | | μg/Kg-dry | 10 | 7/3/01 3:00:00 PM |
| Aroclor 1232 | | ND | 320 | | μg/Kg-dry | 10 | 7/3/01 3:00:00 PM |
| Aroclor 1242 | | ND | 320 | | µg/Kg-dry | 10 | 7/3/01 3:00:00 PM |
| Aroclor 1248 | | ND | 320 | | μg/Kg-dry | 10 | 7/3/01 3:00:00 PM |
| Aroclor 1254 | | N D | 320 | | μg/Kg-dry | 10 | 7/3/01 3:00:00 PM |
| Aroclor 1260 | | ND | 320 | | μg/Kg-dry | 10 | 7/3/01 3:00:00 PM |
| Surr: Tetrachloro-m-xylene | oro-m-xylene | 40.6 | 43-117 | S | %REC | 1 0 | 7/3/01 3:00:00 PM |
| Surr: Decachlorobiphenyl | orobiphenyl | 36.6 | 20-134 | | %REC | 10 | 7/3/01 3:00:00 PM |
| | | | | | | | |

| | | | | Qualifiers: |
|--|---|---|--|---|
| RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate | H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| aboratory can accurately quantitate. | # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

| CLIENT: Lab Order: | GEI Consultants, Inc. 0106096 | | | Client Sample ID: 00291-SS38 | 00291- | SS38 |
|----------------------------|----------------------------------|--------|--------|------------------------------|----------------|-------------------|
| Project: | MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | |
| Lab ID: | 0106096-05A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL Q | RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | R | 320 | µg/Kg-dry | 1 0 | 7/3/01 3:27:00 PM |
| Aroclor 1221 | | N D | 320 | μg/Kg-dry | 10 | 7/3/01 3:27:00 PM |
| Aroclor 1232 | | ND | 320 | μg/Kg-dry | 10 | 7/3/01 3:27:00 PM |
| Aroclor 1242 | | ND | 320 | μg/Kg-dry | 10 | 7/3/01 3:27:00 PM |
| Aroclor 1248 | | ND | 320 | μg/Kg-dry | 10 | 7/3/01 3:27:00 PM |
| Aroclor 1254 | | N D | 320 | μg/Kg-dry | 10 | 7/3/01 3:27:00 PM |
| Aroclor 1260 | | ND | 320 | μg/Kg-dry | 10 | 7/3/01 3:27:00 PM |
| Surr: Tetrachloro-m-xylene | oro-m-xylene | 73.2 | 43-117 | %REC | 10 | 7/3/01 3:27:00 PM |
| Surr: Decachlorobiphenyl | orobiphenyl | 70.6 | 20-134 | %REC | 6 | 7/3/01 3:27:00 PM |
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ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

Date: 05-Jul-01

| Lab Order: Project: | 0106096 MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | , |
|----------------------------|-----------------------------|--------|--------|-------------------------|----------|-------------------|
| Lab ID: | 0106096-06A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL Qu | RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 3082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | ND | 270 | µg/Kg-dry | 10 | 7/3/01 3:53:00 PM |
| Aroclor 1221 | | ND | 270 | μg/Kg-dry | 1 | 7/3/01 3:53:00 PM |
| Aroclor 1232 | | ND | 270 | μg/Kg-dry | 10 | 7/3/01 3:53:00 PM |
| Aroclor 1242 | | ND | 270 | µg/Kg-dry | 10 | 7/3/01 3:53:00 PM |
| Aroclor 1248 | | N | 270 | μg/Kg-dry | 10 | 7/3/01 3:53:00 PM |
| Aroclor 1254 | | ND | 270 | μg/Kg-dry | 70 | 7/3/01 3:53:00 PM |
| Aroclor 1260 | | ND | 270 | μg/Kg-dry | 7 | 7/3/01 3:53:00 PM |
| Surr: Tetrachloro-m-xylene | loro-m-xylene | 94.1 | 43-117 | %REC | 1 | 7/3/01 3:53:00 PM |
|) | Surr: Decachlorohinhenvl | 88.2 | 20-134 | %REC | 6 | 7/3/01 3:53:00 PM |

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ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

^{# -} See Case Narrative

Date: 05-Jul-01

| CLIENT: | GEI Consultants, Inc. | ; | | Client Sample ID: 00291-SS40 | 00291- | SS40 |
|----------------------------|-----------------------|--------|--------|------------------------------|----------------|-------------------|
| Lab Order: | 0106096 | | | | | |
| Project: | MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | |
| Lab ID: | 0106096-07A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL Qu | RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 |)82 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | ND | 280 | µg/Kg-dry | 1 0 | 7/3/01 5:13:00 PM |
| Aroclor 1221 | | ND | 280 | μg/Kg-dry | 6 | 7/3/01 5:13:00 PM |
| Aroclor 1232 | | ND | 280 | μg/Kg-dry | 10 | 7/3/01 5:13:00 PM |
| Aroclor 1242 | | N | 280 | µg/Kg-dry | 10 | 7/3/01 5:13:00 PM |
| Aroclor 1248 | | N | 280 | µg/Kg-dry | 10 | 7/3/01 5:13:00 PM |
| Aroclor 1254 | | R | 280 | μg/Kg-dry | 10 | 7/3/01 5:13:00 PM |
| Aroclor 1260 | | 840 | 280 | μg/Kg-dry | 10 | 7/3/01 5:13:00 PM |
| Surr: Tetrachloro-m-xylene | ro-m-xylene | 101 | 43-117 | %REC | 10 | 7/3/01 5:13:00 PM |
| Surr: Decachlorobiphenyl | robiphenyl | 94.5 | 20-134 | %REC | 10 | 7/3/01 5:13:00 PM |
| | | | | | | |

| | | | | Qualifiers: |
|--|---|---|--|---|
| RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate | H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| laboratory can accurately quantitate. | # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

Lab ID: Project: Lab Order: CLIENT: 0106096-08A GEI Consultants, Inc. 0106096 MDC-Canton 00291 Client Sample ID: 00291-SS41 Collection Date: 6/7/01 Matrix: SOIL

| Analyses | Result | KL Qual Units | ıl ∪nits | DF | Date Analyzed |
|----------------------------|---------|---------------|-----------|----|-------------------|
| PCBS BY EPA8082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | ND D | 280 | μg/Kg-dry | 10 | 7/3/01 5:40:00 PM |
| Aroclor 1221 | ND | 280 | μg/Kg-dry | 10 | 7/3/01 5:40:00 PM |
| Aroclor 1232 | ND | 280 | μg/Kg-dry | 10 | 7/3/01 5:40:00 PM |
| Aroclor 1242 | ND | 280 | μg/Kg-dry | 10 | 7/3/01 5:40:00 PM |
| Aroclor 1248 | ND | 280 | μg/Kg-dry | 10 | 7/3/01 5:40:00 PM |
| Aroclor 1254 | ND | 280 | µg/Kg-dry | 10 | 7/3/01 5:40:00 PM |
| Aroclor 1260 | ND | 280 | µg/Kg-dry | 10 | 7/3/01 5:40:00 PM |
| Surr: Tetrachloro-m-xylene | 68.3 | 43-117 | %REC | 10 | 7/3/01 5:40:00 PM |
| Surr: Decachlorobiphenyl | 58.9 | 20-134 | %REC | 10 | 7/3/01 5:40:00 PM |

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. H - Method prescribed holding time exceeded # - See Case Narrative

Date: 05-Jul-01

Lab ID: PCBS BY EPA8082 Project: CLIENT: Analyses Lab Order: Aroclor 1232 Aroclor 1221 Aroclor 1016 0106096-09A MDC-Canton 00291 0106096 GEI Consultants, Inc. Result 888 SW8082 280 280 280 280 RL Qual Units Client Sample ID: 00291-SS43 μg/Kg-dry **Collection Date:** µg/Kg-dry μg/Kg-dry Matrix: 6/7/01 SOIL DF 7/3/01 7:00:00 PM 7/3/01 7:00:00 PM Date Analyzed Analyst: RAP

Aroclor 1248 Aroclor 1242

N B

280

μg/Kg-dry μg/Kg-dry

R

Aroclor 1260 Aroclor 1254

Surr: Decachlorobiphenyl Surr: Tetrachloro-m-xylene

> 93.9 480

> > 280

280

µg/Kg-dry

7/3/01 7:00:00 PM

7/3/01 7:00:00 PM 7/3/01 7:00:00 PM

7/3/01 7:00:00 PM

20-134 43-117

%REC %REC μg/Kg-dry

7/3/01 7:00:00 PM 7/3/01 7:00:00 PM 7/3/01 7:00:00 PM

| | | | | Qualifiers: | |
|--|---|---|--|---|--|
| RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate | H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit | |
| laboratory can accurately quantitate. | # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits | |

Date: 05-Jul-01

| CLIENT: | GEI Consultants, Inc. | | | Client Sample ID: 00291-SS44 | 00291 | -SS44 |
|----------------------------|-----------------------|--------|--------|------------------------------|----------------|---------------------|
| Lab Order: | 0106096 | | | | | |
| Project: | MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | |
| Lab ID: | 0106096-10A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL Q | RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 082 | S. | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | N | 270 | µg/Kg-dry | 10 | 7/3/01 7:26:00 PM |
| Aroclor 1221 | | ND | 270 | μg/Kg-dry | 10 | 7/3/01 7:26:00 PM |
| Aroclor 1232 | | ND | 270 | μg/Kg-dry | 10 | 7/3/01 7:26:00 PM |
| Aroclor 1242 | | ND | 270 | μg/Kg-dry | 10 | 7/3/01 7:26:00 PM |
| Aroclor 1248 | | ND | 270 | μg/Kg-dry | 10 | 7/3/01 7:26:00 PM |
| Aroclor 1254 | | ND | 270 | μg/Kg-dry | 10 | 7/3/01 7:26:00 PM |
| Aroclor 1260 | | ND | 270 | μg/Kg-dry | 10 | 7/3/01 7:26:00 PM |
| Surr: Tetrachloro-m-xylene | oro-m-xylene | 50.6 | 43-117 | %REC | 10 | 7/3/01 7:26:00 PM |
| Surr: Decachlorobiphenyl | probiphenyl | 41.8 | 20-134 | %REC | 1 0 | 7/3/01 7:26:00 PM |
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| | | | | Qualifiers: |
|--|---|---|--|---|
| RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate | H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| laboratory can accurately quantitate. | # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

| Lab Order: Project: | 0106096 MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | |
|----------------------------|--------------------------|--------|--------|-------------------------|--------|---------------------|
| Lab ID: | 0106096-11A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL Qu | RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 3082 | s | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | N | 290 | µg/Kg-dry | 10 | 7/3/01 7:53:00 PM |
| Aroclor 1221 | | ND | 290 | μg/Kg-dry | 10 | 7/3/01 7:53:00 PM |
| Aroclor 1232 | | ND | 290 | μg/Kg-dry | 10 | 7/3/01 7:53:00 PM |
| Aroclor 1242 | | ND | 290 | µg/Kg-dry | 10 | 7/3/01 7:53:00 PM |
| Aroclor 1248 | | ND | 290 | μg/Kg-dry | 10 | 7/3/01 7:53:00 PM |
| Aroclor 1254 | | ND | 290 | μg/Kg-dry | 10 | 7/3/01 7:53:00 PM |
| Aroclor 1260 | | ND | 290 | μg/Kg-dry | 10 | 7/3/01 7:53:00 PM |
| Surr: Tetrachloro-m-xylene | loro-m-xylene | 80.0 | 43-117 | %REC | 10 | 7/3/01 7:53:00 PM |
| D D | Surr: Decachlorohinhenvl | 66.7 | 20-134 | %REC | 6 | 7/3/01 7:53:00 PM |

| | | | | Qualifiers: |
|--|---|---|--|---|
| RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate | H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| aboratory can accurately quantitate. | # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

| CLIENT: | GFI Consultants Inc | | | Client Sample ID: 00291-SS46 | 00201 | SCNY |
|----------------------------|---------------------|--------|--------|------------------------------|--------|-------------------|
| Lab Order: | 0106096 | | | | | |
| Project: | MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | |
| Lab ID: | 0106096-12A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL Q | RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 1082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | ND | 280 | μg/Kg-dry | 10 | 7/3/01 8:19:00 PM |
| Aroclor 1221 | | ND | 280 | μg/Kg-dry | 10 | 7/3/01 8:19:00 PM |
| Aroclor 1232 | | ND | 280 | μg/Kg-dry | 6 | 7/3/01 8:19:00 PM |
| Aroclor 1242 | | ND | 280 | μg/Kg-dry | 6 | 7/3/01 8:19:00 PM |
| Aroclor 1248 | | ND | 280 | μg/Kg-dry | 10 | 7/3/01 8:19:00 PM |
| Aroclor 1254 | | N D | 280 | μg/Kg-dry | 10 | 7/3/01 8:19:00 PM |
| Aroclor 1260 | | 780 | 280 | μg/Kg-dry | 10 | 7/3/01 8:19:00 PM |
| Surr: Tetrachloro-m-xylene | oro-m-xylene | 71.4 | 43-117 | %REC | 10 | 7/3/01 8:19:00 PM |
| Surr: Decachlorobiphenyl | orobiphenyl | 41.3 | 20-134 | %REC | 10 | 7/3/01 8:19:00 PM |

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- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- H Method prescribed holding time exceeded

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- # See Case Narrative

Date: 05-Jul-01

| CLIENT: | GEI Consultants, Inc. | | | Client Sample ID: 00291-SS47 | 00291- | SS47 |
|----------------------------|-----------------------|--------|--------|------------------------------|--------|-------------------|
| Project: | MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | |
| Lab ID: | 0106096-13A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL (| RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | N N | 290 | µg/Kg-dry | 70 | 7/3/01 8:46:00 PM |
| Aroclor 1221 | | N | 290 | μg/Kg-dry | 10 | 7/3/01 8:46:00 PM |
| Aroclor 1232 | | Ň | 290 | µg/Kg-dry | 10 | 7/3/01 8:46:00 PM |
| Aroclor 1242 | | N | 290 | µg/Kg-dry | 10 | 7/3/01 8:46:00 PM |
| Aroclor 1248 | | ND | 290 | µg/Kg-dry | 10 | 7/3/01 8:46:00 PM |
| Aroclor 1254 | | ND | 290 | μg/Kg-dry | 10 | 7/3/01 8:46:00 PM |
| Aroclor 1260 | | 570 | 290 | µg/Kg-dry | 10 | 7/3/01 8:46:00 PM |
| Surr: Tetrachloro-m-xylene | oro-m-xylene | 86.9 | 43-117 | %REC | 6 | 7/3/01 8:46:00 PM |
| Surr: Decachlorobiphenyl | orobiphenyl | 73.5 | 20-134 | %REC | 10 | 7/3/01 8:46:00 PM |
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ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

E - Value above quantitation range R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

Date: 05-Jul-01

Lab ID: Project: CLIENT: Lab Order: 0106096-14A MDC-Canton 00291 0106096 GEI Consultants, Inc. Client Sample ID: 00291-SS48 Collection Date: 6/7/01 Matrix: SOIL

| Analyses | Result | RL Q | RL Qual Units | DF | Date Analyzed |
|----------------------------|--------|--------|---------------|----|-------------------|
| PCBS BY EPA8082 | တ | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | N D | 280 | μg/Kg-dry | 10 | 7/3/01 9:12:00 PM |
| Aroclor 1221 | ND | 280 | μg/Kg-dry | 10 | 7/3/01 9:12:00 PM |
| Aroclor 1232 | ND | 280 | μg/Kg-dry | 10 | 7/3/01 9:12:00 PM |
| Aroclor 1242 | ND | 280 | µg/Kg-dry | 10 | 7/3/01 9:12:00 PM |
| Aroclor 1248 | ND | 280 | µg/Kg-dry | 10 | 7/3/01 9:12:00 PM |
| Aroclor 1254 | ND | 280 | µg/Kg-dry | 10 | 7/3/01 9:12:00 PM |
| Aroclor 1260 | ND | 280 | µg/Kg-dry | 10 | 7/3/01 9:12:00 PM |
| Surr: Tetrachloro-m-xylene | 88.1 | 43-117 | %REC | 10 | 7/3/01 9:12:00 PM |
| Surr: Decachlorobiphenyl | 73.4 | 20-134 | %REC | 10 | 7/3/01 9:12:00 PM |

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

CLIENT: GEI Consultants, Inc. Client Sample ID: 00291-SS42

| | | | | | • | | | |
|----------------------------|------------------|--------|--------|---------------|-------------------------|--------|-------------------|---|
| Lab Order: | 0106096 | | | | | | | |
| Project: | MDC-Canton 00291 | | | 0 | Collection Date: 6/7/01 | 6/7/01 | | |
| Lab ID: | 0106096-16A | | | | Matrix: SOIL | SOIL | | |
| Analyses | | Result | RL (| RL Qual Units | Jnits | DF | Date Analyzed | 1 |
| PCBS BY EPA8082 | 082 | S | SW8082 | | | | Analyst: RAP | I |
| Aroclor 1016 | | ND | 280 | - | μg/Kg-dry | 10 | 7/3/01 9:39:00 PM | |
| Aroclor 1221 | | ND | 280 | _ | µg/Kg-dry | 10 | 7/3/01 9:39:00 PM | |
| Aroclor 1232 | | ND | 280 | _ | μg/Kg-dry | 6 | 7/3/01 9:39:00 PM | |
| Aroclor 1242 | | ND | 280 | _ | µg/Kg-dry | 10 | 7/3/01 9:39:00 PM | |
| Aroclor 1248 | | ND | 280 | - | µg/Kg-dry | 10 | 7/3/01 9:39:00 PM | |
| Aroclor 1254 | | N | 280 | _ | μg/Kg-dry | 10 | 7/3/01 9:39:00 PM | |
| Aroclor 1260 | | 800 | 280 | _ | µg/Kg-dry | 10 | 7/3/01 9:39:00 PM | |
| Surr: Tetrachloro-m-xylene | pro-m-xylene | 69.8 | 43-117 | ٠,0 | %REC | 10 | 7/3/01 9:39:00 PM | |
| Surr: Decachlorobiphenyl | probiphenyl | 65.5 | 20-134 | ٠,0 | %REC | 10 | 7/3/01 9:39:00 PM | |
| | | | | | | | | |

| Qualifiers: |
|-------------|
| B |

- Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

| CLIENT: | GEI Consultants, Inc. | | | Client Sample ID: 00291-SS49 | 00291- | -SS49 |
|----------------------------|-----------------------|--------|--------|------------------------------|--------|--------------------|
| Lab Order: | 0106096 | | | | | |
| Project: | MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | |
| Lab ID: | 0106096-17A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL Qu | RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 1082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | ND | 270 | µg/Kg-dry | 10 | 7/3/01 10:05:00 PM |
| Aroclor 1221 | | ND | 270 | μg/Kg-dry | 10 | 7/3/01 10:05:00 PM |
| Aroclor 1232 | | N | 270 | μg/Kg-dry | 10 | 7/3/01 10:05:00 PM |
| Aroclor 1242 | | ND | 270 | μg/Kg-dry | 10 | 7/3/01 10:05:00 PM |
| Aroclor 1248 | | N | 270 | μg/Kg-dry | 10 | 7/3/01 10:05:00 PM |
| Aroclor 1254 | | S | 270 | μg/Kg-dry | 6 | 7/3/01 10:05:00 PM |
| Aroclor 1260 | | N | 270 | μg/Kg-dry | 10 | 7/3/01 10:05:00 PM |
| Surr: Tetrachloro-m-xylene | loro-m-xylene | 55.9 | 43-117 | %REC | 10 | 7/3/01 10:05:00 PM |
| Surr: Decachlorobiphenyl | orobiphenyl | 49 2 | 20-134 | %RFC | 6 | 7/3/01 10:05:00 PM |

| | | | | Qualifiers: |
|--|---|---|--|---|
| RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate | H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| e laboratory can accurately quantitate. | # - Sec Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

CLIENT: Lab ID: Project: Lab Order: 0106096 0106096-18A MDC-Canton 00291 GEI Consultants, Inc. Client Sample ID: 00291-SS50 Collection Date: 6/7/01 Matrix: SOIL

| Analyses | Result | RL (| RL Qual Units | DF | Date Analyzed |
|----------------------------|--------|--------|---------------|----------------|---------------------|
| PCBS BY EPA8082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | N D | 290 | μg/Kg-dry | 10 | 7/3/01 10:32:00 PM |
| Aroclor 1221 | ND | 290 | μg/Kg-dry | 10 | 7/3/01 10:32:00 PM |
| Aroclor 1232 | ND | 290 | μg/Kg-dry | 1 0 | 7/3/01 10:32:00 PM |
| Aroclor 1242 | ND | 290 | μg/Kg-dry | 10 | 7/3/01 10:32:00 PM |
| Aroclor 1248 | ND | 290 | μg/Kg-dry | 10 | 7/3/01 10:32:00 PM |
| Aroclor 1254 | N | 290 | μg/Kg-dry | 10 | 7/3/01 10:32:00 PM |
| Aroclor 1260 | 940 | 290 | μg/Kg-dry | 10 | 7/3/01 10:32:00 PM |
| Surr: Tetrachloro-m-xylene | 87.5 | 43-117 | %REC | 1 | 7/3/01 10:32:00 PM |
| Surr: Decachlorobiphenyl | 260 | 20-134 | S %REC | 10 | 7/3/01 10:32:00 PM |

| | Qualifiers: |
|--|--|
| J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| R - RPD outside ac | S - Spike Recovery |

ry outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

H - Method prescribed holding time exceeded B - Analyte detected in the associated Method Blank

ide accepted recovery limits

E - Value above quantitation range
- See Case Narrative

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Date: 05-Jul-01

Project: CLIENT: Lab Order: 0106096 MDC-Canton 00291 GEI Consultants, Inc. Client Sample ID: 00291-SS51 Collection Date: 6/7/01

| | | Matr | ix: SOIL | |
|--------|--------|--------------|---|-----------------------------------|
| Result | RL Qu | lal Units | DF | Date Analyzed |
| S | W8082 | | | Analyst: RAP |
| N D | 360 | μg/Kg-dry | 10 | 7/3/01 10:58:00 PM |
| N | 360 | μg/Kg-dry | 10 | 7/3/01 10:58:00 PM |
| ND | 360 | μg/Kg-dry | 10 | 7/3/01 10:58:00 PM |
| N | 360 | μg/Kg-dry | 10 | 7/3/01 10:58:00 PM |
| ND | 360 | μg/Kg-dry | 10 | 7/3/01 10:58:00 PM |
| ND | 360 | μg/Kg-dry | 10 | 7/3/01 10:58:00 PM |
| N N | 360 | μg/Kg-dry | 10 | 7/3/01 10:58:00 PM |
| 96.8 | 43-117 | %REC | 10 | 7/3/01 10:58:00 PM |
| 115 | 20-134 | %REC | 10 | 7/3/01 10:58:00 PM |
| | | SW808 | RL Qual Units SW8082 360 µg/Kg-dn 43-117 %REC 20-134 %REC | ### Watrix: SW8082 Pal Units |

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ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

| CLIENT: | GEI Consultants, Inc. | | | Client Sample ID: 00291-SS52 | 00291- | SS52 |
|----------------------------|-----------------------|--------|--------|------------------------------|--------|---------------------|
| Lab Order: | 0106096 | | | , | | |
| Project: | MDC-Canton 00291 | | | Collection Date: 6/7/01 | 6/7/01 | |
| Lab ID: | 0106096-20A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL (| RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 3082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | R | 290 | µg/Kg-dry | 10 | 7/3/01 11:25:00 PM |
| Aroclor 1221 | | N D | 290 | µg/Kg-dry | 10 | 7/3/01 11:25:00 PM |
| Aroclor 1232 | | ND | 290 | μg/Kg-dry | 10 | 7/3/01 11:25:00 PM |
| Aroclor 1242 | | N D | 290 | μg/Kg-dry | 10 | 7/3/01 11:25:00 PM |
| Aroclor 1248 | | N D | 290 | µg/Kg-dry | 10 | 7/3/01 11:25:00 PM |
| Aroclor 1254 | | ND | 290 | μg/Kg-dry | 10 | 7/3/01 11:25:00 PM |
| Aroclor 1260 | | 1,300 | 290 | μg/Kg-dry | 10 | 7/3/01 11:25:00 PM |
| Surr: Tetrachloro-m-xylene | oro-m-xylene | 76.5 | 43-117 | %REC | 10 | 7/3/01 11:25:00 PM |
| Surr: Decachlorobiphenyl | orobiphenyl | 70.4 | 20-134 | %REC | 10 | 7/3/01 11:25:00 PM |

| | | | Qualifiers: |
|---|---|--|---|
| H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

Date: 05-Jul-01

| CLIENT: Lab Order: Project: | GEI Consultants, Inc. 0106096 MDC-Canton 00291 | | | Client Sample ID: 00291-SS53 Collection Date: 6/7/01 | 00291. 6/7/01 | -SS53 |
|-----------------------------|--|--------|--------|---|------------------|---------------------|
| Lab ID: | 0106096-21A | | | Matrix: SOIL | SOIL | |
| Analyses | | Result | RL Qu | RL Qual Units | DF | Date Analyzed |
| PCBS BY EPA8082 | 3082 | S | SW8082 | | | Analyst: RAP |
| Aroclor 1016 | | N N | 770 | µg/Kg-dry | 6 | 7/3/01 11:51:00 PM |
| Aroclor 1221 | | N | 770 | μg/Kg-dry | 1 0 | 7/3/01 11:51:00 PM |
| Aroclor 1232 | | N | 770 | µg/Kg-dry | 10 | 7/3/01 11:51:00 PM |
| Aroclor 1242 | | R | 770 | µg/Kg-dry | 10 | 7/3/01 11:51:00 PM |
| Aroclor 1248 | | N | 770 | μg/Kg-dry | 10 | 7/3/01 11:51:00 PM |
| Aroclor 1254 | | ND | 770 | μg/Kg-dry | 10 | 7/3/01 11:51:00 PM |
| Aroclor 1260 | | ND | 770 | μg/Kg-dry | 10 | 7/3/01 11:51:00 PM |
| Surr: Tetrachloro-m-xylene | loro-m-xylene | 58.4 | 43-117 | %REC | 10 | 7/3/01 11:51:00 PM |
| Surr: Decachtorobiphenyl | lorobiphenyl | 53.2 | 20-134 | %REC | 6 | 7/3/01 11:51:00 PM |

| | Qualifiers: |
|--|--|
| I - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| R - RPD outside | S - Spike Recove |

- Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

very outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: | Project: | Lab Order: | CLIENT: |
|------------------|------------------|---------------|--------------|-------------------------|------------|------------------------------|
| Ø. | STURE | | 0106096-01A | MDC-Canton 00291 | 0106096 | GEI Consultants, Inc. |
| 13.2 | D2: | Result | | | | |
| 0 | D2216 | RL Qual Units | | | | |
| wt% | | l Units | Mati | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS34 |
| > | | DF | Matrix: SOIL | ite: 6/7/01 | | D : 00291 |
| 6/13/01 | Analyst: ADM | Date Analyzed | | | | -SS34 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

| CLIENT: Lab Order: Project: | GEI Consultants, Inc. 0106096 MDC-Canton 00291 | | C | Client Sample ID: 00291-SS35 Collection Date: 6/7/01 | 00291- | SS35 |
|-----------------------------------|--|--------|---------------|---|----------------|---------------|
| Project: Lab ID: | MDC-Canton 00291 0106096-02A | | | Collection Date: 6/7/0 Matrix: SOIL | 6/7/01 SOIL | |
| Analyses | | Result | RL Qual Units | Units | DF | Date Analyzed |
| PERCENT MOISTURE | STURE | D2 | D2216 | | | |
| Percent Moisture | oi | 12.8 | 0 | wt% | _ | 6/13/01 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

CLIENT: PERCENT MOISTURE Lab Order: Percent Moisture 0106096 0106096-03A MDC-Canton 00291 GEI Consultants, Inc. Result 7.1 D2216 RL 0 Qual Units Client Sample ID: 00291-SS36 Collection Date: 6/7/01 wt% Matrix: SOIL _ DF 6/13/01 Date Analyzed Analyst: ADM

Lab ID: Project:

Analyses

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: | Project: | Lab Order: | CLIENT: |
|------------------|------------------|---------------|--------------|-------------------------|------------|------------------------------|
| Oj | STURE | | 0106096-04A | MDC-Canton 00291 | 0106096 | GEI Consultants, Inc. |
| 22.9 | D2 | Result | | | | |
| 0 | D2216 | RL Qual Units | | | | |
| wt% | | Units | Matri | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS37 |
| <u> </u> | | DF | Matrix: SOIL | e: 6/7/01 | |): 00291 |
| 6/13/01 | Analyst: ADM | Date Analyzed | | | | -SS37 |

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| ers: |

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

- H Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- # See Case Narrative

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: | Project: | Lab Order: | CLIENT: |
|------------------|------------------|---------------|--------------|-------------------------|------------|------------------------------|
| Ire | ISTURE | | 0106096-05A | MDC-Canton 00291 | 0106096 | GEI Consultants, Inc. |
| 24.0 | D2 | Result | | | | |
| 0 | D2216 | RL Qual Units | | | | |
| wt% | | Units | Matr | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS38 |
| | | DF | Matrix: SOIL | te: 6/7/01 | | D : 00291 |
| 6/13/01 | Analyst: ADM | Date Analyzed | | | | -SS38 |

| | | | Qualifiers: |
|---|---|--|---|
| H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

Date: 05-Jul-01

Project: Lab ID: PERCENT MOISTURE **Analyses** Lab Order: CLIENT: Percent Moisture 0106096 0106096-06A MDC-Canton 00291 GEI Consultants, Inc. Result 9.2 D2216 0 Qual Units Client Sample ID: 00291-SS39 Collection Date: 6/7/01 wt% Matrix: SOIL _ $\mathbf{D}\mathbf{F}$ 6/13/01 Date Analyzed Analyst: ADM

| | | | Qualifiers: |
|---|---|--|---|
| H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: 0 | Project: M | Lab Order: 0 | CLIENT: G |
|------------------|------------------|---------------|--------------|-------------------------|--------------|------------------------------|
| | Æ | | 0106096-07A | MDC-Canton 00291 | 0106096 | GEI Consultants, Inc. |
| 11.1 | D2216 | Result | | | | |
| 0 | 16 | RL Qual Units | | | | |
| wt% | į | Units | Matrix: SOIL | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS40 |
| _ | | DF | SOIL | 6/7/01 | | 00291- |
| 6/13/01 | Analyst: ADM | Date Analyzed | | | | SS40 |

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- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

- H Method prescribed holding time exceeded

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- # See Case Narrative
- RL Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

Date: 05-Jul-01

Lab ID: Project: PERCENT MOISTURE CLIENT: **Analyses** Lab Order: Percent Moisture 0106096 0106096-08A MDC-Canton 00291 GEI Consultants, Inc. Result 12.2 D2216 RL 0 Qual Units Client Sample ID: 00291-SS41 Collection Date: 6/7/01 wt% Matrix: SOIL __ \mathbf{DF} 6/13/01 Date Analyzed Analyst: ADM

| | | | Qualifiers: |
|---|---|--|---|
| H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: 0106096-09A | Project: MDC-C | Lab Order: 0106096 | CLIENT: GEI Co | |
|------------------|------------------|---------------|---------------------|-------------------------|---------------------------|------------------------------|--|
| | | | 6-09A | MDC-Canton 00291 | 6 | GEI Consultants, Inc. | |
| 13.6 | - | Result | | | | | |
| 0 | D2216 | RL | | | | | |
| wt% | | RL Qual Units | Matrix | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS43 | |
| <u> </u> | | DF | Matrix: SOIL | : 6/7/01 | | : 00291 | |
| 6/13/01 | Analyst: ADM | Date Analyzed | | | | -SS43 | |

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- H Method prescribed holding time exceeded

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- # See Case Narrative

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: | Project: | Lab Order: | CLIENT: |
|------------------|------------------|---------------|--------------|-------------------------|------------|------------------------------|
| U | TURE | | 0106096-10A | MDC-Canton 00291 | 0106096 | GEI Consultants, Inc. |
| 13.0 | D2 | Result | | | | |
| 0 | D2216 | RL Qual Units | | | | |
| wt% | | Units | Matri | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS44 |
| _ | | DF | Matrix: SOIL | e : 6/7/01 | |): 00291 |
| 6/13/01 | Analyst: ADM | Date Analyzed | | | | -SS44 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: | Project: | Lab Order: | CLIENT: |
|------------------|------------------|---------------|--------------|-------------------------|------------|------------------------------|
| • | TURE | | 0106096-11A | MDC-Canton 00291 | 0106096 | GEI Consultants, Inc. |
| 12.8 | D, | Result | | | | |
| 0 | D2216 | RL Qual Units | | | | |
| wt% | | l Units | Matri | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS45 |
| <u> </u> | | DF | Matrix: SOIL | e: 6/7/01 | |) : 00291 |
| 6/13/01 | Analyst: ADM | Date Analyzed | | | | -SS45 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

| Percent Moisture 15.5 | PERCENT MOISTURE | Analyses Result | Lab ID: 0106096-12A | Project: MDC-Canton 00291 | Lab Order: 0106096 | CLIENT: GEI Consultants, Inc. |
|-----------------------|------------------|-----------------|---------------------|---------------------------|---------------------------|-------------------------------|
| 0 | D2216 | RL Qu | | | | |
| wt% | | RL Qual Units | Matrix | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS46 |
| <u> </u> | | DF | Matrix: SOIL | : 6/7/01 | | : 00291 |
| 6/13/01 | Analyst: ADM | Date Analyzed | | | | -SS46 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

| Analyses Result RL Qual Units | | PERCENT MOISTURE D2216 |
|-------------------------------|------------------|--------------------------------|
| | RL Qual Units | RL Qual Units |
| | DF Date Analyzed | DF Date Analyzed Analyst: ADM |

| | | | | Qualifiers: |
|--|---|---|--|---|
| RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate | H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| laboratory can accurately quantitate. | # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: | Project: | Lab Order: | CLIENT: |
|------------------|------------------|---------------|--------------|-------------------------|------------|------------------------------|
| | TURE | | 0106096-14A | MDC-Canton 00291 | 0106096 | GEI Consultants, Inc. |
| 13.6 | D2 | Result | | | | |
| 0 | D2216 | RL Qual Units | | | | |
| wt% | | Units | Matr | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS48 |
| _ | | DF | Matrix: SOIL | te: 6/7/01 | | D: 00291 |
| 6/13/01 | Analyst: ADM | Date Analyzed | | | | -SS48 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: | Project: | Lab Order: | CLIENT: |
|------------------|------------------|---------------|--------------|-------------------------|------------|------------------------------|
| re | ISTURE | | 0106096-16A | MDC-Canton 00291 | 0106096 | GEI Consultants, Inc. |
| 14.0 | D2 | Result | | | | |
| 0 | D2216 | RL Qual Units | | | | |
| wt% | | al Units | Ma | Collection 1 | | Client Sample ID: 00291-SS42 |
| | | DF | Matrix: SOIL | Collection Date: 6/7/01 | | e ID: 00291 |
| 6/13/01 | Analyst: ADM | Date Analyzed | | | | .SS42 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: 0 | Project: | Lab Order: 0 | CLIENT: G |
|------------------|------------------|------------------|--------------|-------------------------|--------------|------------------------------|
| | æ | | 0106096-17A | MDC-Canton 00291 | 0106096 | GEI Consultants, Inc. |
| 10.2 | D2 | Result | | | | |
| 0 | D2216 | RL Qual Units | | | | |
| wt% | | l Units | Matri | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS49 |
| _ | | DF | Matrix: SOIL | e: 6/7/01 | | 00291 |
| 6/13/01 | Analyst: ADM | DF Date Analyzed | | | | ·SS49 |

| | | | Qualifiers: |
|---|---|--|---|
| H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| # - See Case Narrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

PERCENT MOISTURE Analyses Lab Order: CLIENT: Percent Moisture 0106096-18A MDC-Canton 00291 0106096 GEI Consultants, Inc. Result 15.0 D2216 0 Qual Units Client Sample ID: 00291-SS50 Collection Date: 6/7/01 wt% Matrix: SOIL _ \mathbf{DF} 6/13/01 Date Analyzed Analyst: ADM

Project:

Lab ID:

Qualifiers: J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit H - Method prescribed holding time exceeded B - Analyte detected in the associated Method Blank # - See Case Narrative E - Value above quantitation range S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: 0106096-19A | Project: MDC-Canton 00291 | Lab Order: 0106096 | CLIENT: GEI Consultants, Inc. | |
|------------------|------------------|---------------|---------------------|---------------------------|---------------------------|-------------------------------|--|
| 31.1 | | Result | | 1 00291 | | ants, Inc. | |
| 0 | D2216 | | | | | | |
| wt% | | RL Qual Units | Mat | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS51 | |
| _ | | DF | Matrix: SOIL | ate: 6/7/01 | | ID: 00291 | |
| 6/13/01 | Analyst: ADM | Date Analyzed | | | | -SS51 | |

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

E - Value above quantitation range

Date: 05-Jul-01

| CLIENT: Lab Order: Project: Lab ID: Analyses | GEI Consultants, Inc. 0106096 MDC-Canton 00291 0106096-20A | Result | Client S Collec RL Qual Units | Client Sample ID: 00291-SS52 Collection Date: 6/7/01 Matrix: SOIL al Units DF Da | : 00291 : 6/7/01 : SOIL | -SS52 |
|--|---|--------|-------------------------------|---|-------------------------------|------------------|
| Analyses | : : | Result | RL Qua | l Units | DF | DF Date Analyzed |
| PERCENT MOISTURE | STURE | D2 | D2216 | | | Analyst: ADM |
| Percent Moisture | Ü | 15.8 | 0 | wt% | <u> </u> | 6/13/01 |

| H-M | B - A: | J - Ar | Qualifiers: ND - |
|---|---|--|---|
| H - Method prescribed holding time exceeded | B - Analyte detected in the associated Method Blank | J - Analyte detected below quantitation limits | ND - Not Detected at the Reporting Limit |
| # - See Case Natrative | E - Value above quantitation range | R - RPD outside accepted recovery limits | S - Spike Recovery outside accepted recovery limits |

Date: 05-Jul-01

| Percent Moisture | PERCENT MOISTURE | Analyses | Lab ID: | Project: | Lab Order: | CLIENT: |
|------------------|------------------|------------------|--------------|-------------------------|------------|------------------------------|
| | ÜRE | | 0106096-21A | MDC-Canton 00291 | 0106096 | GEI Consultants, Inc. |
| 68.0 | D2216 | Result | | | | |
| 0 | 216 | RL Qual Units | | | | |
| wt% | | Units | Matrix: SOIL | Collection Date: 6/7/01 | | Client Sample ID: 00291-SS53 |
| <u> </u> | | DF | SOIL | 6/7/01 | | 00291- |
| 6/13/01 | Analyst: ADM | DF Date Analyzed | | | | SS53 |

Qualifiers: ND - Not Detected at the Reporting Limit H - Method prescribed holding time exceeded B - Analyte detected in the associated Method Blank J - Analyte detected below quantitation limits # - See Case Narrative E - Value above quantitation range R - RPD outside accepted recovery limits S - Spike Recovery outside accepted recovery limits

Date: 10-Jul-01

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

QC SUMMARY REPORT

Method Blank

| Sample ID MB-4842 | Batch ID: 4842 | Test Code | e: SW8082 | Units: μ | g/Kg | | Analysis I | Date 7/3/01 | 12:47:00 PM | Prep Date | e 6/21/01 | |
|----------------------------|----------------|-----------|------------------|---------------|-------------|------|------------|-------------|-----------------|-----------|------------------|-----|
| Client ID: | | Run ID: | GC-ELVI | S_010703A | | | SeqNo: | 140397 | | | | |
| | QC Sample | | | QC Spike Orig | inal Sample | | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| Aroclor 1016 | ND | 25 | μg/Kg | | | | | | | | | |
| Aroclor 1221 | ND | 25 | μg/Kg | | | | | | | | | |
| Aroclor 1232 | ND | 25 | μg/Kg | | | | | | | | | |
| Aroclor 1242 | ND | 25 | μg/Kg | | | | | | | | | |
| Aroclor 1248 | ND | 25 | μg/Kg | | | | | | | | | |
| Aroclor 1254 | ND | 25 | μg/Kg | | | | | | | | | |
| Aroclor 1260 | 16.84 | 25 | μg/Kg | | | | | | | | | J |
| Surr: Tetrachloro-m-xylene | 6.304 | 0 | μg/Kg | 8 | 0 | 78.8 | 43 | 117 | 0 | | | • |
| Surr: Decachlorobiphenyl | 5.196 | 0 | μg/Kg | 8 | 0 | 64.9 | 20 | 134 | 0 | | | |

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

Date: 10-Jul-01

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

QC SUMMARY REPORT

Sample Matrix Spike

| Sample ID 0106096-06AMS | Batch ID: 4842 | Test 0 | ode: SW8082 | Units: µ | ıg/Kg-dry | | Analysis I | Date 7/3/01 | 4:20:00 PM | Prep Dat | e 6/21/01 | |
|------------------------------|----------------|------------|------------------------|---------------|--------------|------------|------------|--------------------|-----------------|--------------|-----------|-----|
| Client ID: 00291-SS39 | | Run II | D: GC-ELVI | S_010703A | | | SeqNo: | 140405 | | | | |
| | QC Sample | | | QC Spike Ori | ginal Sample | ; | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| Aroclor 1016 | 579.9 | 270 | μg/Kg-dry | 533.6 | 0 | 109 | 28 | 128 | 0 | | | |
| Aroclor 1260 | 609 | 270 | μg/Kg-dry | 533.6 | 170.7 | 82.1 | 28 | 122 | 0 | | | |
| Surr: Tetrachloro-m-xylene | 7.305 | 0 | μg/Kg-dry | 8.537 | 0 | 85.6 | 43 | 117 | 0 | | | |
| Surr: Decachlorobiphenyl | 7.097 | 0 | μg/Kg-dry | 8.537 | 0 | 83.1 | 20 | 134 | 0 | | | |
| Sample ID 0106096-06AMSD | Batch ID: 4842 | Test C | ode: SW8082 | Units: μ | g/Kg-dry | | Analysis I | Date 7/3/01 | 4:47:00 PM | Prep Date | 6/21/01 | |
| Client ID: 00291-SS39 | | Run II | : GC-ELVI | S_010703A | | | SeqNo: | 140406 | | | | |
| | QC Sample | | | QC Spike Orig | ginal Sample | | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| | | | | | | | | | | | | |
| Aroclor 1016 | 678.5 | 260 | μg/Kg-dry | 528 | 0 | 129 | 28 | 128 | 579.9 | 15.7 | 50 | s |
| Aroclor 1016 Aroclor 1260 | 678.5 717.4 | 260 260 | μg/Kg-dry μg/Kg-dry | 528 528 | 0 170.7 | 129 104 | 28 28 | 128 122 | 579.9 609 | 15.7 16.4 | 50 50 | S |
| | | | | | - | | _ | | | | | S |

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

Date: 10-Jul-01

CLIENT:

GEI Consultants, Inc.

Work Order:

0106096

Project:

MDC-Canton 00291

QC SUMMARY REPORT

Laboratory Control Spike

| Sample ID LCS-4842 | Batch ID: 4842 | Test Code | e: SW8082 | Units: μ | g/Kg | | Analysis [| Date 7/3/01 ′ | 1:14:00 PM | Prep Date | e 6/21/01 | |
|----------------------------|----------------|-----------|-----------|---------------|--------------|----------|------------|----------------------|-----------------|-----------|-----------|-----|
| Client ID: | | Run ID: | GC-ELVI | S_010703A | | | SeqNo: | 140398 | | | | |
| | QC Sample | | | QC Spike Orig | jinal Sample | ! | | (| Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| Aroclor 1016 | 387.6 | 25 | μg/Kg | 500 | 0 | 77.5 | 44 | 128 | 0 | | | |
| Aroclor 1260 | 409.3 | 25 | μg/Kg | 500 | 16.84 | 78.5 | 47 | 131 | 0 | | | |
| Surr: Tetrachloro-m-xylene | 5.708 | 0 | μg/Kg | 8 | 0 | 71.3 | 43 | 117 | 0 | | | |
| Surr: Decachlorobiphenyl | 5.034 | 0 | μg/Kg | 8 | 0 | 62.9 | 20 | 134 | 0 | | | |

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur